

QJ XK 1601145949
4101

HOBBS OCD

JUL 09 2012

RECEIVED

Form C-141
Revised October 10, 2003

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

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	COG OPERATING LLC	Contact	Pat Ellis
Address	550 W. Texas, Suite 100, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	New Mexico CR State #3	Facility Type	SWD

Surface Owner	State	Mineral Owner	Lease No. (30-025-20959)
---------------	-------	---------------	--------------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	32	19S	32E					Lea

Latitude 32.61504 Longitude 103.79479

NATURE OF RELEASE

Type of Release	Produced water, Oil	Volume of Release	500bbls	Volume Recovered	100bbls
Source of Release	Tanks inside SWD facility	Date and Hour of Occurrence	07/30/2011	Date and Hour of Discovery	07/30/2011 6:00 p.m.
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking-OCD			
By Whom?	Josh Russo	Date and Hour	08/01/2011 5:07 p.m.		
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.*

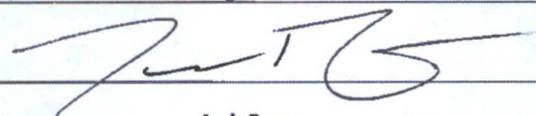
The New Mexico CR State #3 Salt Water Disposal was ignited due to a lightning strike; which in return caused the release of fluid from the tanks.

Describe Area Affected and Cleanup Action Taken.*

Initially roughly 500bbls were released from the tanks inside the New Mexico CR State #3 SWD. We were able to recover 100bbls with a vacuum truck. The majority of the fluid was either burned up in the fire or evaporated due to high temperatures. The SWD was lined with 40mil liner. The facility has had all of its tanks removed and is scheduled for tank delivery and a battery rebuild. The battery pad location has been scraped and material is being hauled to appropriate disposal.

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:		Approved by District Supervisor:	
Printed Name:	Josh Russo	Approval Date:	Expiration Date:
Title:	HSE Coordinator	Conditions of Approval:	
E-mail Address:	jrusso@conchoresources.com	Attached <input type="checkbox"/>	
Date:	08/03/2011	Phone:	432-212-2399

* Attach Additional Sheets If Necessary

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State of New Mexico
Energy Minerals and Natural Resources **HOBBS OCD**
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
JUL 09 2012

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side of form

Release Notification and Corrective Action **RECEIVED**

OPERATOR

Initial Report Final Report

Name of Company	COG Operating LLC	Contact	Pat Ellis
Address	550 W. Texas, Suite 100, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	New Mexico CR State #3	Facility Type	SWD

Surface Owner	State	Mineral Owner		Lease No. (30-025-20959)
---------------	-------	---------------	--	--------------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	32	19S	32E					Eddy

Latitude 32 61.504 Longitude 103 79.479

NATURE OF RELEASE

Type of Release	Produced water, Oil	Volume of Release	500bbls	Volume Recovered	100bbls
Source of Release	Tank inside SWD facility	Date and Hour of Occurrence	7/30/2011	Date and Hour of Discovery	7/30/2011 6:00 p.m.
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Geoffrey Leking-OCD			
By Whom?	Josh Russo	Date and Hour	8/01/2011 5:07 p.m.		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

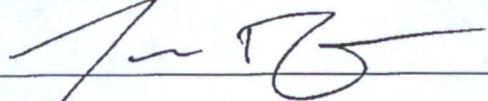
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
The New Mexico CR State #3 Salt Water Disposal was ignited due to a lightning strike; which in return caused the release of fluid from the tanks.

Describe Area Affected and Cleanup Action Taken.*
Initially roughly 500 bbls were released from the tanks inside the New Mexico CR State #3 SWD. We were able to recover 100 bbls with a vacuum truck. The majority of the fluid was either burned up in the fire or evaporated due to high temperatures. The SWD was lined with 40 mil liner. The facility had all tanks removed and the battery pad location was remediated according to NMOCD guidelines. BBC sampled the site and the lab results verify that chlorides are below or near 250 ppm and no further action is necessary. Permission was granted to rebuild battery site and all work was completed.

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: 	Approved by District Supervisor:		
Printed Name: Josh Russo	Approval Date:	Expiration Date:	
Title: HSE Coordinator	Conditions of Approval:		
E-mail Address: jrusso@conchoresources.com			Attached <input type="checkbox"/>
Date: 01/31/2012	Phone: 432-212-2399		

* Attach Additional Sheets If Necessary

SITE INFORMATION
Report Type: Closure Report

HOBBS OCD

JUL 09 2012

General Site Information:				RECEIVED
Site:	New Mexico CR State #3 SWD			
Company:	COG Operating LLC			
Section, Township, and Range:	32	19S	32E	
Lease Number:	30-025-20959			
County:	Lea County, New Mexico			
GPS:	N 32 61.504		W 103 79.479	
Surface Owner:	State			
Mineral Owner:				
Directions:				

Release Data:	
Date Released:	7/30/2011
Type of Release:	Produced water and oil
Source of Contamination:	Tank ignition from lightening strike
Fluid Released:	500 bbls
Fluids Recovered:	100 bbls

Official Communication:		
Name:	Pat Ellis	Cliff Brunson
Company:	COG Operating LLC	BBC International, Inc.
Address:	550 W. Texas Ave., Ste. 1300	1324 W. Marland
PO Box:		PO Box 805
City, State, Zip Code:	Midland, TX 79701	Hobbs, NM 88241
Phone Number:	(432) 686-3023	(575) 397-6388
Fax:	(432) 684-7137	(575) 397-0397
Email:	pellis@conchoresources.com	cbrunson@bbcinternational.com

Ranking Criteria:		
Depth to Groundwater:	Ranking Score	Site Data
<50 ft.	20	
50-99 ft.	10	
>100 ft.	0	0

Well Head Protection:		
	Ranking Score	Site Data
Water Source <1,000 ft., Private <200	20	
Water Source >1,000 ft., Private >200	0	0

Surface Body of Water:		
	Ranking Score	Site Data
<200 ft.	20	
200 ft. - 1,000 ft.	10	
>1,000 ft.	0	0

Total Ranking Score:	0
-----------------------------	----------

Acceptable Soil RRAL (mg/kg)		
Benzene	Total BTEX	TPH
10	50	5000



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COG Operating LLC

New Mexico CR State #3 SWD

(Release Date 7/30/11)

**Unit L, Section 32, Township 19 South, Range 32 East
Lea County, New Mexico
GPS: N 32 61.504 W 103 79.479**

ENVIRONMENTAL SITE INVESTIGATION

CLOSURE REPORT

PERFORMED BY:

**BBC INTERNATIONAL, INC.
WORLD-WIDE ENVIRONMENTAL SPECIALISTS
1324 W. MARLAND BLVD.
P. O. BOX 805
HOBBS, NEW MEXICO 88240
(575) 397-6388 • FAX (575) 397-0397**

September 1, 2011

PREPARED FOR:

**MR. PAT ELLIS
MANAGER, HSE
COG OPERATING LLC
FASKEN CENTER TOWER II
550 WEST TEXAS AVENUE, SUITE 100
MIDLAND, TEXAS 79701**

Mr. Geoffrey Leking
Environmental Engineer
NMOCD- Hobbs
1625 N. French Drive
Hobbs, NM 88240

HOBBS OCD

JUL 09 2012

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Re: Closure plan for COG Operating LLC, New Mexico CR State #3 SWD, Unit L, Section 32, Township 19 South, Range 32 East, Lea County, NM

1.0 SITE CHARACTERIZATION

The subject site is located southeast of Loco Hills, in Section 32, Township 19 South, and Range 32 East, Lea County, New Mexico. The site consists of undeveloped rangeland and petroleum production facilities. On July 30, 2011, a lightning strike ignited the New Mexico CR State # 3 SWD tank battery causing the release of fluid from the tanks. Approximately 500 bbls of water and oil was released with approximately 100 bbls being recovered by a vacuum truck. The majority of the fluid was either burned up in the fire or evaporated due to the high temperatures.

A diagram of the leak area including the sample points can be reviewed in [Appendix I](#) of this report. The surface soil is red sand and caliche. There is no water source within 1,000 feet of the site. There is no surface water within 1,000 feet of the site. Based on data from the Lea County Groundwater Trend Map, the depth to groundwater in Section 32, Township 19 South, and Range 32 East is 500' to 550'. The initial C-141 is at the end of this report in [Appendix III](#).

2.0 SITE INVESTIGATION ACTIVITIES

On August 10, 2011, BBC personnel conducted a delineation of the site. Two sample points were advanced in the leak area using hand auger to a total depth of 9 feet and 2 feet respectively. Six samples were taken from SP1 one at surface, one at one foot, one at 3 feet, one at 5 feet, one at 7 feet, and one at 9 feet. Two samples were taken from SP2 one at surface, and one at 1 foot. The samples were taken to Cardinal Laboratories for TPH and chloride analysis for the two surface samples and chloride analysis for the remaining samples. Laboratory analysis for SP1 @ surface is 10,000 ppm chloride, <10 ppm GRO, and 21.7 ppm DRO. Laboratory analysis for SP1 @ 1' is 2520 ppm chloride. Laboratory analysis for SP1 @ 3' is 1230 ppm chloride. Laboratory analysis for SP1 @ 5' is 1390 ppm chloride. Laboratory analysis for SP1 @ 7' is 320 ppm chloride. Laboratory analysis for SP1 @ 9' is 208 ppm chloride. Laboratory analysis for SP2 @ surface is 96 ppm chloride, <10 ppm GRO, and 15.1 ppm DRO. Laboratory analysis for SP2 @ 1' is 112 ppm chloride. The results of the analysis are located in

Appendix II of this report. The sample point locations can be viewed on the site diagram in Appendix I of this report.

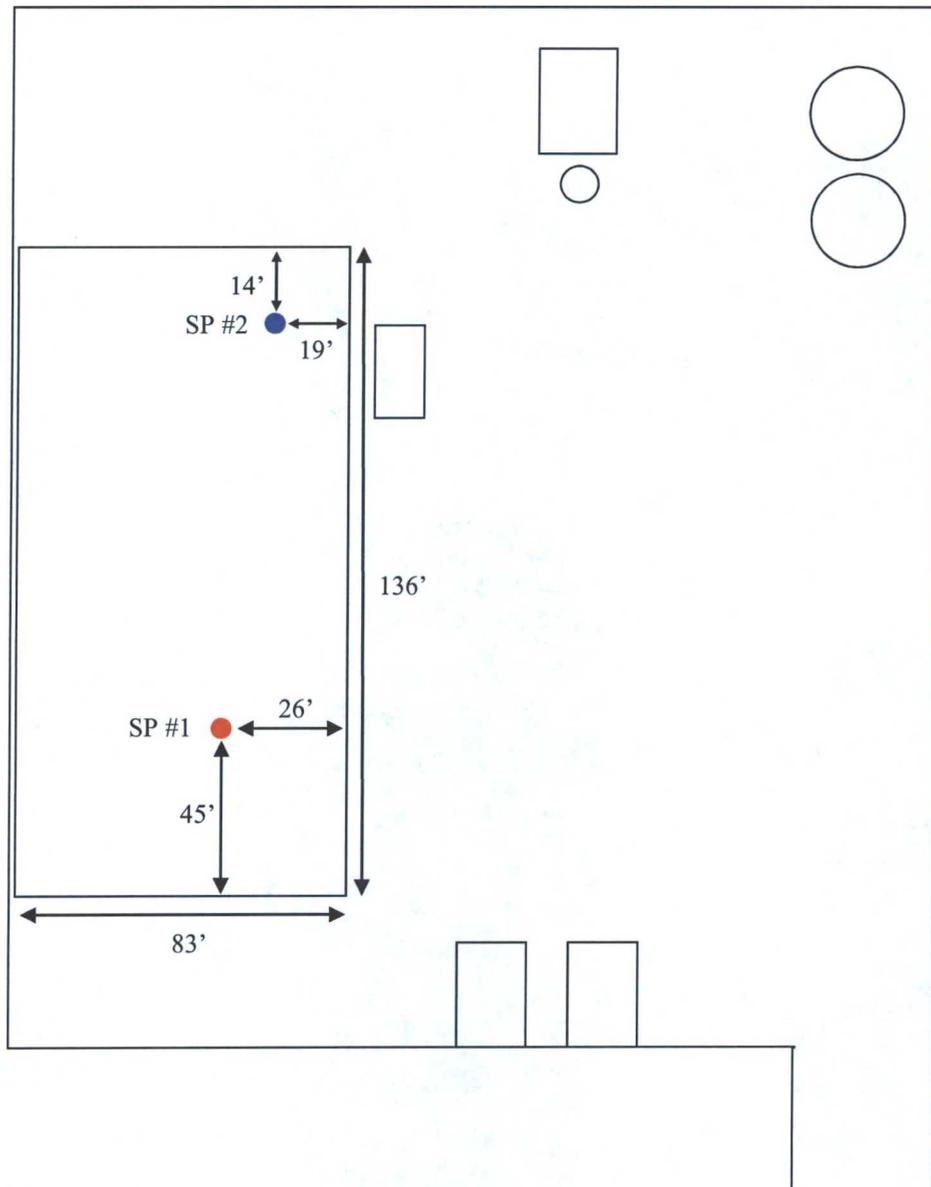
3.0 CONCLUSION AND RECOMMENDATION

In an email from Mr. Geoffrey Leking of the NMOCD to Joshua Russo of COG Operating LLC on August 9, 2011, Mr. Leking states, "If the samples are below limits, then no further action will be needed. If the samples are above limits, then the contamination will need to be addressed at the time of final abandonment of the tank battery." A copy of this email is located in Appendix IV of this report.

BBC personnel met with Mr. Leking on August 16, 2011 to discuss the results of the sampling requested by Mr. Leking in his August 9, 2011 email. The laboratory data for this site indicates that the chloride contamination is below 250 ppm between 7' and 9' in the SP1 area, and below 250 ppm at surface in the SP2 area.

Based on the sampling results, the fact that COG had removed 1' to 2' of impacted soil, and the depth to groundwater ranges 500 to 550 feet, the NMOCD agree that no further action was required and permission was granted to rebuild the battery. The final C-141 is located in Appendix III of this report.

COG NM CR State #3 SWD



SP #1	Chloride	GRO	DRO
Surface	10000 ppm	<10.0 ppm	21.7 ppm
1'	2520 ppm		
3'	1230 ppm		
5'	1390 ppm		
7'	320 ppm		
9'	208 ppm		

N 32.61879, W 103.78669

SP #2	Chloride	GRO	DRO
Surface	96.0 ppm	<10.0 ppm	15.1 ppm
1'	112 ppm		

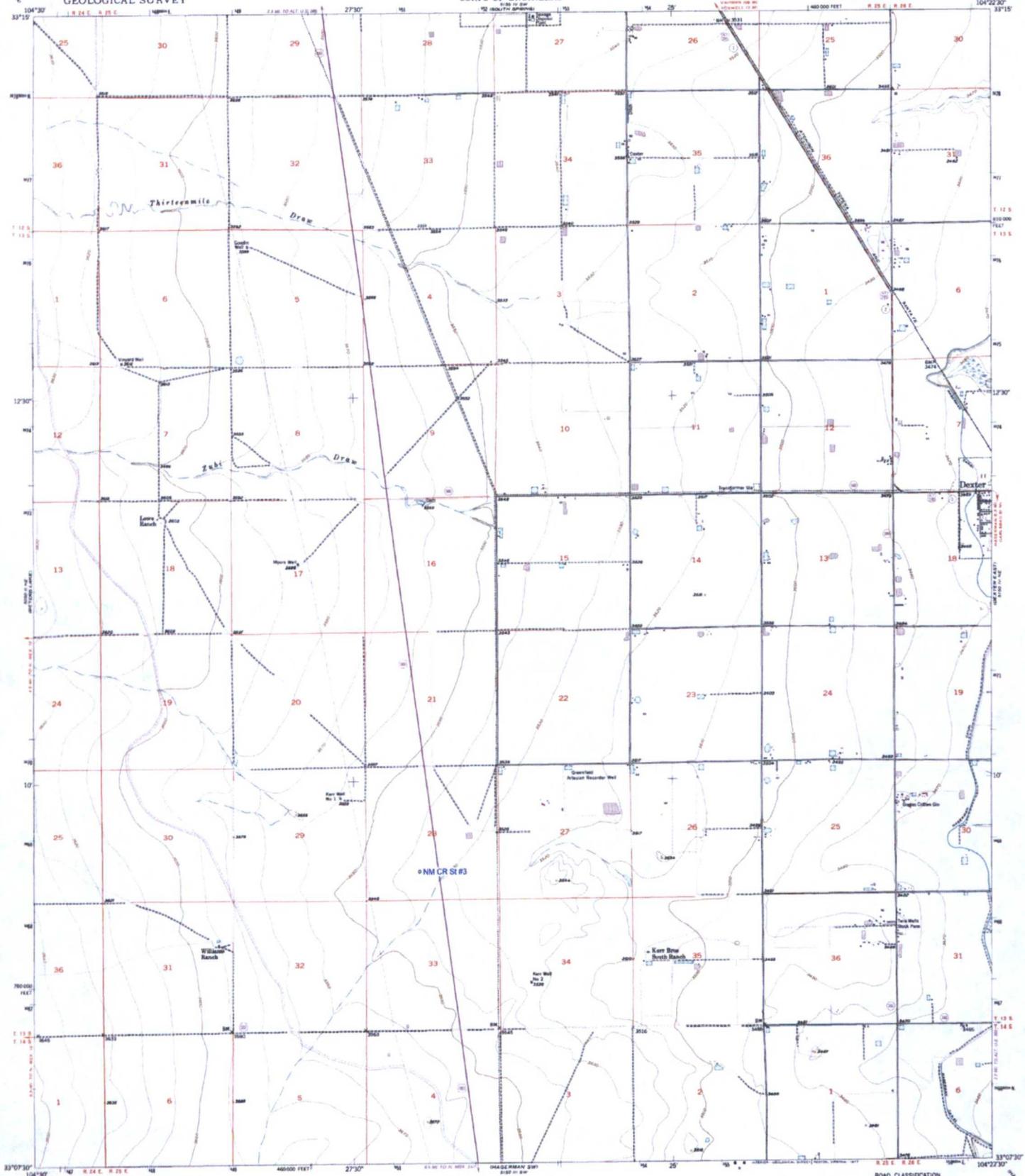
N 32.61889, W 103.78654

BBC INTERNATIONAL, INC.	
COG NM CR State #3 SWD	
Date: 8-16-11	Drawn By: JG
Disk:	Sheet 1 of 1 Sheets
Scale: Not to Scale	File Name

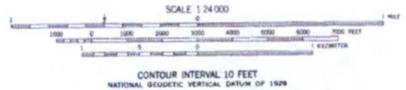
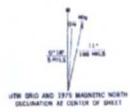
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

DEXTER WEST QUADRANGLE
NEW MEXICO CHAVES CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey
Control by USGS and USACE
Culture and drainage in part compiled from
aerial photographs taken October 1947
Topography by plane-table methods, 1949-1950
Polyconic projection, 1927 North American datum
10,000-foot grid based on New Mexico coordinate system,
and zone
1000-meter Universal Transverse Mercator grid ticks
zone 13, shown in blue
Reference shown in purple compiled from aerial photographs
taken 1975. This information not field checked



THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER TECHNIQUE TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION
Primary highway, all weather, hard surface
Secondary highway, all weather, hard surface
Light-duty road, all weather, improved surface
Unimproved road, fair or dry weather
Interstate Route
U. S. Route
State Route

DEXTER WEST, N. MEX.
N 1307 5-W10422 5/7.5
1950
PHOTOGRAPHIC SOURCE 1947
AND 1975 IN NEW SERIES VMSI



R. 24 E. R. 25 E. 148 460,000 FEET 27°30' 149 150 151 152 153 154 25' 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

R. 24 E. R. 25 E. R. 26 E. 159000'

and published by the Geological Survey and USC&GS
 ge in part compiled from taken October 1947 re-table methods, 1949-1950

Scale 1:24,000
 1" = 2000 FEET
 1" = 609.6 METERS

ROAD CLASSIFICATION
 Primary highway, all weather. Light-duty road, all weather
 Secondary highway, all weather. Improved surface
 Tertiary highway, all weather. Unimproved road, all weather
 Interstate Route U.S. Route Star



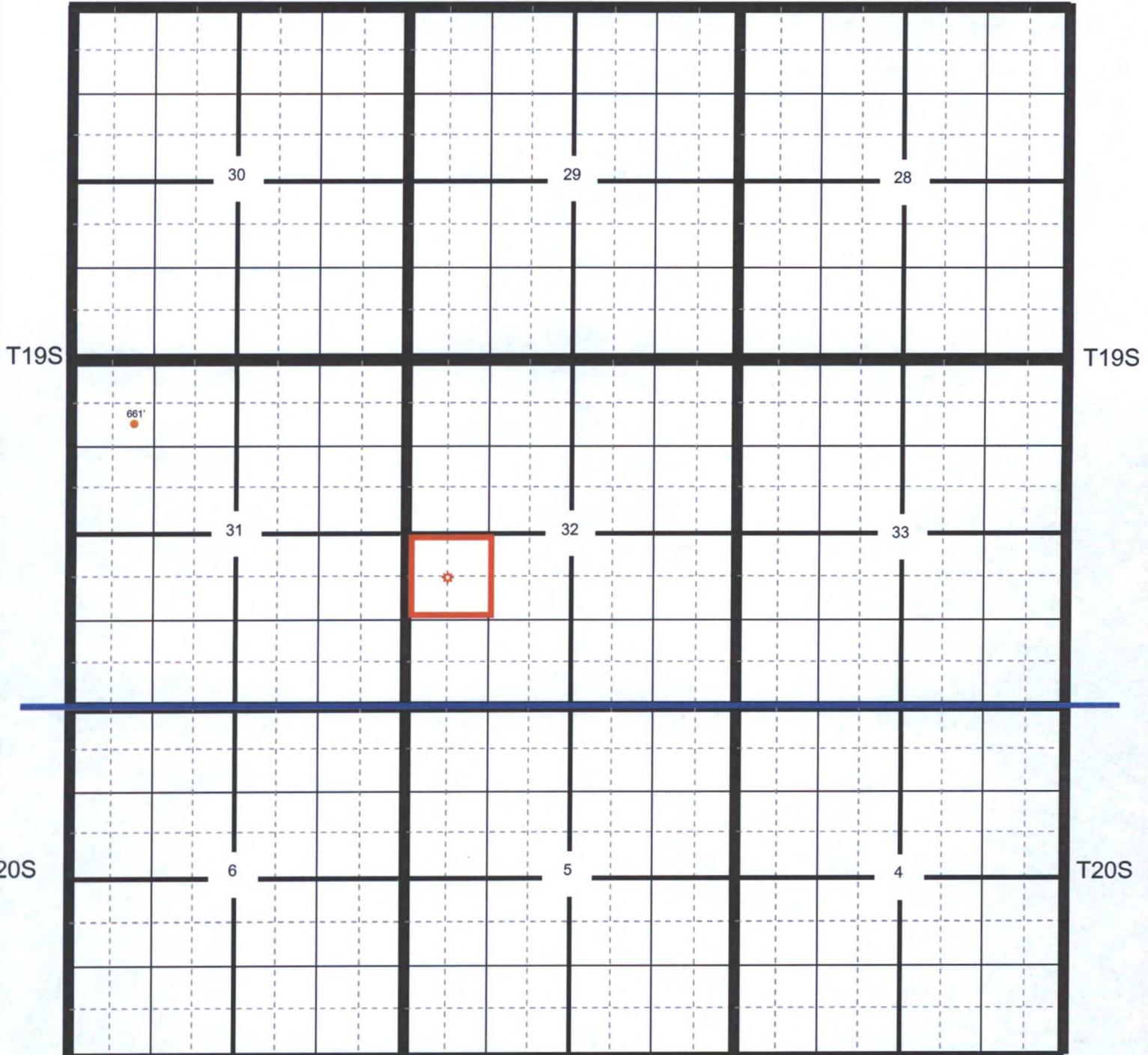
Groundwater Plot

COG New Mexico CR State #3

County: Lea Unit Letter: L Section: 32 Township: 19S Range: 32E

Trend Map 500'-550

R32E



Location

OCD

USGS

SEO

All Databases



Section Quarters

COG New Mexico CR State #3

County Lea Unit Letter L Section 32 Township 19S Range 32E

Trend Map 500'-550'

1

2

NW/NW	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

- ⚙ Location
- OCD
- USGS
- SEO
- All Databases

Laboratory Analytical Results Summary
 COG, New Mexico CR State #3 SWD

Analyte	Method	SP1 @ Surface		SP1 @ 1'		SP1 @ 3'		SP1 @ 5'		SP1 @ 7'		SP1 @ 9'	
		8/10/11	8/10/11	8/10/11	8/10/11	8/10/11	8/10/11	8/10/11	8/10/11	8/10/11	8/10/11	8/10/11	8/10/11
	Date												
Chloride	SM4500Cl-B	mg/Kg	10000	mg/Kg	2520	mg/Kg	1230	mg/Kg	1390	mg/Kg	320	mg/Kg	208
GRO	TPH 8015M		<10.0										
DRO	TPH 8015M		21.7										

Analyte	Method	SP2 @ Surface		SP2 @ 1'	
		8/10/11	8/10/11	8/10/11	8/10/11
	Date				
Chloride	SM4500Cl-B	mg/Kg	96	mg/Kg	112
GRO	TPH 8015M		<10.0		
DRO	TPH 8015M		15.1		



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

August 15, 2011

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

RE: NM STATE CR #3 SWD

Enclosed are the results of analyses for samples received by the laboratory on 08/10/11 16:45.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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: (505) 397-0397

Received:	08/10/2011	Sampling Date:	08/10/2011
Reported:	08/15/2011	Sampling Type:	Soil
Project Name:	NM STATE CR #3 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	HALFWAY, NM		

Sample ID: SP 1 SURFACE (H101678-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10000	16.0	08/11/2011	ND	416	104	400	3.92		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/12/2011	ND	155	77.3	200	1.34		
DRO >C10-C28	21.7	10.0	08/12/2011	ND	144	72.0	200	0.956		

Surrogate: 1-Chlorooctane 82.5 % 70-130
 Surrogate: 1-Chlorooctadecane 95.6 % 70-130

Sample ID: SP 1 @ 1 FT (H101678-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	08/11/2011	ND	416	104	400	3.92		

Sample ID: SP 1 @ 3 FT (H101678-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1230	16.0	08/11/2011	ND	416	104	400	3.92		

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: (505) 397-0397

 Received: 08/10/2011
 Reported: 08/15/2011
 Project Name: NM STATE CR #3 SWD
 Project Number: NONE GIVEN
 Project Location: HALFWAY, NM

 Sampling Date: 08/10/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SP 1 @ 5 FT (H101678-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	08/11/2011	ND	416	104	400	3.92	

Sample ID: SP 1 @ 7 FT (H101678-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/11/2011	ND	416	104	400	3.92	

Sample ID: SP 1 @ 9 FT (H101678-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/11/2011	ND	416	104	400	3.92	

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: (505) 397-0397

Received:	08/10/2011	Sampling Date:	08/10/2011
Reported:	08/15/2011	Sampling Type:	Soil
Project Name:	NM STATE CR #3 SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	HALFWAY, NM		

Sample ID: SP 2 @ SURFACE (H101678-07)

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	08/11/2011	ND	416	104	400	3.92		
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	08/12/2011	ND	155	77.3	200	1.34		
DRO >C10-C28	15.1	10.0	08/12/2011	ND	144	72.0	200	0.956		

Surrogate: 1-Chlorooctane 84.5 % 70-130
 Surrogate: 1-Chlorooctadecane 93.3 % 70-130

Sample ID: SP 2 @ 1 FT (H101678-08)

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	08/11/2011	ND	416	104	400	3.92		

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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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