

1R - 485

GENERAL  
CORRESPONDENCE

2007 - ~~2007~~  
- 2006

## VonGonten, Glenn, EMNRD

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**From:** Cliff P. Brunson [cbrunson@bbcinternational.com]  
**Sent:** Friday, October 12, 2007 1:47 PM  
**To:** Price, Wayne, EMNRD; 'Harlan Brown'  
**Cc:** VonGonten, Glenn, EMNRD; Sanchez, Daniel J., EMNRD; Fesmire, Mark, EMNRD  
**Subject:** RE: AT&T TeleConference Reservation Confirmation - HOST Copy (MCB1457)

**Follow Up Flag:** Follow up  
**Flag Status:** Red

Wayne,

Thank you for your time and Glenn's discussing this project with us yesterday and the closure below. We will submit documentation upon completion of the closure.

Cliff

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

**From:** Price, Wayne, EMNRD [mailto:wayne.price@state.nm.us]  
**Sent:** Friday, October 12, 2007 1:28 PM  
**To:** cbrunson@bbcinternational.com; Harlan Brown  
**Cc:** VonGonten, Glenn, EMNRD; Sanchez, Daniel J., EMNRD; Fesmire, Mark, EMNRD  
**Subject:** RE: AT&T TeleConference Reservation Confirmation - HOST Copy (MCB1457)

Reference: OCD Case # 1R0485

Dear Mr. Brown:

Pursuant to our telephone conference OCD hereby approves the path forward with the following conditions:

1. A compacted clay liner may be installed and overlap the underlying contamination. The thickness of the liner will be a minimum of two feet and compacted to 95 % proctor. (Three feet will be acceptable per your telephone conversation) The permeability shall be  $1 \times 10^{-7}$  cm/sec or less.
2. There shall be a minimum of one foot of original topsoil or background thickness whichever is greater. The surface shall be re-vegetation and maintained for a minimum of two years.
3. An interim closure report shall be submitted within 60 days of pit closure with photos. This report shall contain a groundwater sampling and water depth measurement plan for OCD approval, an estimated accrued cost as-of-to date for this project, the size and type of pit liner used and the reason for failure.
4. This E-mail shall be included in the final report.

Special note: OCD would like to point out that since the vadoze zone was never completely delineated originally, The fact that the district environmental person had to request additional delineation, the fact that the original groundwater sample showed a slight impact, the fact that the operator requested closure without verifying the background groundwater conditions, the fact that the groundwater gradient direction is very non-typical, and the fact that the reason for the unusual gradient was not given, has caused the OCD to place this project outside of a normal approval. The bottom line is these types of submittals require enormous amounts of the OCD's staff time which we do not have.

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

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

From: Cliff P. Brunson [mailto:cbrunson@bbcinternational.com]  
Sent: Thursday, October 11, 2007 1:35 PM  
To: Price, Wayne, EMNRD; Harlan Brown  
Subject: Fw: AT&T TeleConference Reservation Confirmation - HOST Copy  
(MCB1457)

Gentlemen,

Please see below info for our phone conference this afternoon at 4:30 pm NM time. You will use the participant code to log in. Any questions, call me on my cell: 505-318-6704.

Thanks, Cliff

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

From: Jennifer Gilkey  
To: Cliff P. Brunson  
Sent: Oct 11, 2007 10:45 AM  
Subject: FW: AT&T TeleConference Reservation Confirmation - HOST Copy  
(MCB1457)

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From: AT&T TeleConference Services [mailto:teleconferences@att.com]  
Sent: Thursday, October 11, 2007 10:43 AM  
To: jgilkey@bbcinternational.com  
Subject: AT&T TeleConference Reservation Confirmation - HOST Copy (MCB1457)

AT&T <<http://www.teleconference.att.com/images/attlogo8341.gif>>

|  
T e l e C o n f e r e n c e  
S e r v i c e s

TeleConference Folder Id: 795272956

<[http://www.teleconference.att.com/images/topbar\\_violet.gif](http://www.teleconference.att.com/images/topbar_violet.gif)>

NEW  
AUDIO DIAL IN  
Reservation Confirmation

<[http://www.teleconference.att.com/images/botbar\\_violet.gif](http://www.teleconference.att.com/images/botbar_violet.gif)>

Information is subject to change. If so, you will be notified by a TeleConference Associate. Cancel reservations at least 30 minutes before start time to avoid No Show fees.

Please review this information and contact TeleConference Services at (800)232-1234 if there are any changes.

ACCESS INFORMATION

<<http://www.teleconference.att.com/images/botbar.gif>>

----- Audio Conference -----

Toll Free Dial In Number:

(888)422-7124

HOST CODE:

724335

PARTICIPANT CODE:

668632

<<http://www.teleconference.att.com/images/topbar.gif>>

CONFERENCE INFORMATION

<<http://www.teleconference.att.com/images/botbar.gif>>

Start Date and Time

End Date and Time

Duration

Oct 11 2007 04:30 PM MDT, Thu

Oct 11 2007 06:30 PM MDT, Thu

2 hr 00 mins

----- Identification -----

----- Ports -----

Conference Name:

Total Ports:

3

Conference Id:

MCB1457

----- Features Selected  
-----

<<http://www.teleconference.att.com/images/check.gif>>  
Automatic Port Expansion

<<http://www.teleconference.att.com/images/topbar.gif>>

HOST and ARRANGER INFORMATION

<<http://www.teleconference.att.com/images/botbar.gif>>

Conference Host:

CLIFF BRUNSON

Phone Number:

(505) 397-6388

Fax Number:

(505) 397-0397

Conference Arranger:

JENNIFER GILKEY

Phone Number:

(505) 397-6388

Fax Number:

(505) 397-0397

<<http://www.teleconference.att.com/images/topbar.gif>>

SPECIAL NOTES

<<http://www.teleconference.att.com/images/botbar.gif>>

\* Should you need assistance during your conference, please press # then 0 for a list of menu options including Specialist assistance.

\* Special Tip: Always remember to set a date for a follow-up conference while all participants are on the call.

\* If your individual TeleConference account is not used within a six month period, deactivation will occur.

\* If you have any questions regarding this service or your account, please call (800)232-1234 and a Specialist will assist you.

Special Announcements

Never make a Reservation Again! Sign up for Reservationless Conferencing and receive your own dial-in numbers and codes, at no extra cost.  
Call 800-232-1234 to register today.

Thank you for choosing AT&T TeleConference Services!

Thu Oct 11 2007 11:42:33

"Sent via the BlackBerry of Cliff P. Brunson, BBC International, Inc."

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This inbound email has been scanned by the MessageLabs Email Security System.

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No virus found in this outgoing message.

Checked by AVG.

Version: 7.5.488 / Virus Database: 269.14.8/1066 - Release Date: 10/12/2007

11:10 AM

---

This inbound email has been scanned by the MessageLabs Email Security System.

---

Shipping address:  
1324 W. Marland Blvd.  
Hobbs, NM 88240 USA  
Phone: (505) 397-6388  
Fax: (505) 397-0397  
E-mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)  
Web: [www.bbcinternational.com](http://www.bbcinternational.com)  
\*\*\*\*\*

---

This inbound email has been scanned by the MessageLabs Email Security System.

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No virus found in this outgoing message.

Checked by AVG.

Version: 7.5.488 / Virus Database: 269.13.28/1021 - Release Date: 9/21/2007 2:02 PM

9/29/2008

**VonGonten, Glenn, EMNRD**

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**From:** VonGonten, Glenn, EMNRD  
**Sent:** Monday, September 24, 2007 8:17 AM  
**To:** Price, Wayne, EMNRD  
**Subject:** FW: Chesapeake Williams 14 Federal No. 1  
**Follow Up Flag:** Follow up  
**Flag Status:** Red  
**Attachments:** Gradient map and lab data-Sept. 2007.pdf

---

**From:** Cliff P. Brunson [mailto:cbrunson@bbcinternational.com]  
**Sent:** Friday, September 21, 2007 3:44 PM  
**To:** VonGonten, Glenn, EMNRD  
**Cc:** Bradley Blevins; Harlan Brown; Ken Swinney; Jennifer Gilkey  
**Subject:** Chesapeake Williams 14 Federal No. 1

Glenn,

Per my voice mail to you, Chesapeake and myself would like to call you at 8 a.m. on Tuesday, Sept. 25, 2007 to discuss the Williams 14 Federal No. 1 site. I have attached the ground water gradient map and lab data for the water sampling events and soil data for drilling the 3 monitor wells. As you can see, ground water has not been impacted. We look forward to discussing this with you and getting this site closed immediately.

Thanks,

Cliff

\*\*\*\*\*  
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\*\*\*\*\*

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 Blvd.  
Hobbs, NM 88240 USA  
Phone: (505) 397-6388  
Fax: (505) 397-0397  
E-mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)  
Web: [www.bbcinternational.com](http://www.bbcinternational.com)  
\*\*\*\*\*

---

This inbound email has been scanned by the MessageLabs Email Security System.

---

No virus found in this outgoing message.

Checked by AVG.

Version: 7.5.488 / Virus Database: 269.13.28/1021 - Release Date: 9/21/2007 2:02 PM

9/29/2008



CHLORIDE: 8/17/07 28 ppm

MW #1  
(3926.53')

CHLORIDE: 2/6/07	36 ppm
CHLORIDE: 2/14/07	32 ppm
CHLORIDE: 8/21/07	44 ppm

TEMP - MW  
(3926.30')

EXISTING PIT

MW #3  
(3925.75')

CHLORIDE: 8/17/07	44 ppm
CHLORIDE: 8/21/07	32 ppm

MW #2  
(3924.98')

CHLORIDE: 8/17/07 28 ppm

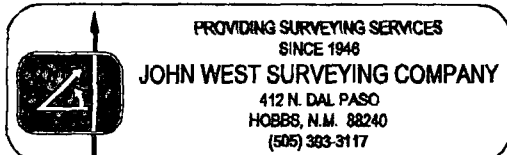
WELL  
O

WELL	COORDINATES	ELEVATIONS
MW #1	736151.4 N 790786.1 E	NATURAL GROUND - 3981.05' TOP OF PVC - 3984.13'
MW #2	735948.7 N 790853.7 E	NATURAL GROUND - 3979.23' TOP OF PVC - 3982.60'
MW #3	735979.4 N 791023.5 E	NATURAL GROUND - 3979.60' TOP OF PVC - 3982.60'
TEMP MW	736086.5 N 790858.1 E	NATURAL GROUND - 3971.33' TOP OF PVC - 3972.88'

50 0 50 100 FEET  
Scale: 1"=50'

BBC INTERNATIONAL, INC.

CHESAPEAKE WILLIAMS 14 FEDERAL No. 1  
SECTION 14, TOWNSHIP 15 SOUTH, RANGE 35 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO



Survey Date: 9/5/07	Sheet 1 of 1 Sheets
W.O. Number: 07.11.1235	Drawn By: L.A.
Date: 9/14/07	DISK: CD#6 07111235



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Receiving Date: 02/08/07  
Reporting Date: 02/13/07  
Project Number: FED. 14  
Project Name: WILLIAMS 14 FED. NO. 1, LOVINGTON, NM  
Project Location: NOT GIVEN

Sampling Date: 02/08/07  
Sample Type: GROUNDWATER  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl <sup>-</sup> (mg/L)	TDS (mg/L)
ANALYSIS DATE:		02/09/07	02/12/07
H12175-1	T MW-1	36	408
H12175-2	EAST SIDE WATER WELL	20	148
H12175-3	WEST WINDMILL	56	568
Quality Control		500	NR
True Value QC		500	NR
% Recovery		100	NR
Relative Percent Difference		1.0	NR
METHOD: Standard Methods		4500-Cl <sup>-</sup> B	160.1

Date \_\_\_\_\_

H12175

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ARDINAL LABORATORIES, INC.

2111 Beachwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240  
 (915) 673-7001 Fax (915) 673-7020 (505) 393-2325 Fax (505) 393-2476

(915) 673-7001 Fax (915) 673-7020 (505) 393-2325 Fax (505) 393-2476

Page        of       [illegible]

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



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**ANALYTICAL RESULTS FOR  
BBC INTERNATIONAL, INC.  
ATTN: CLIFF BRUNSON  
P.O. BOX 805  
HOBBS, NM 88241  
FAX TO: (505) 397-0397**

Receiving Date: 02/14/07  
Reporting Date: 02/16/07  
Project Number: NOT GIVEN  
Project Name: WILLIAMS 14 FED. # 1  
Project Location: LOVINGTON, NM

Sampling Date: 02/14/07  
Sample Type: GROUNDWATER  
Sample Condition: COOL & INTACT  
Sample Received By: HM  
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl <sup>-</sup> (mg/L)	TDS (mg/L)
<b>ANALYSIS DATE:</b>		02/14/07	02/15/07
H12199-1	WILLIAMS FED. #1	32	428
Quality Control		490	NR
True Value QC		500	NR
% Recovery		98	NR
Relative Percent Difference		1.0	NR
<b>METHOD: Standard Methods</b>		4500-Cl <sup>-</sup> B	160.1

Date \_\_\_\_\_

H12199

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PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
BBC INTERNATIONAL  
ATTN: CLIFF BRUNSON  
P.O. BOX 805  
HOBBS, NM 88241  
FAX TO: (505) 397-0397

Receiving Date: 08/15/07  
Reporting Date: 08/17/07  
Project Owner: NOT GIVEN  
Project Name: WILLIAMS 14  
Project Location: LOVINGTON, NM

Analysis Date: 08/16/07  
Sampling Date: 08/13-08/14/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: LB  
Analyzed By: HM

LAB NUMBER    SAMPLE ID     $\text{Cl}^-$   
(mg/Kg)

H13110-1	MW#1 @ 5'	64
H13110-2	MW#1 @ 10'	48
H13110-3	MW#1 @ 15'	64
H13110-4	MW#1 @ 20'	48
H13110-5	MW#1 @ 30'	48
H13110-6	MW#1 @ 40'	< 16
H13110-7	MW#1 @ 50'	< 16
H13110-8	MW#1 @ 55'	< 16
H13110-9	MW#2 @ 5'	< 16
H13110-10	MW#2 @ 10'	< 16
H13110-11	MW#2 @ 15'	< 16
H13110-12	MW#2 @ 20'	32
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods

4500- $\text{Cl}^-$ B

Note: Analyses performed on 1:4 w:v aqueous extracts.

  
Chemist

08-17-07  
Date

H13110 BBC

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ANALYTICAL RESULTS FOR  
BBC INTERNATIONAL  
ATTN: CLIFF BRUNSON  
P.O. BOX 805  
HOBBS, NM 88241  
FAX TO: (505) 397-0397

Receiving Date: 08/15/07  
Reporting Date: 08/17/07  
Project Owner: NOT GIVEN  
Project Name: WILLIAMS 14  
Project Location: LOVINGTON, NM

Analysis Date: 08/16/07  
Sampling Date: 08/14-08/15/07  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: LB  
Analyzed By: HM

LAB NUMBER    SAMPLE ID     $\text{Cl}^-$   
(mg/Kg)

H13110-13	MW#2 @ 30'	80
H13110-14	MW#2 @ 40'	112
H13110-15	MW#2 @ 50'	< 16
H13110-16	MW#2 @ 55'	< 16
H13110-17	MW#3 @ 5'	16
H13110-18	MW#3 @ 10'	< 16
H13110-19	MW#3 @ 15'	16
H13110-20	MW#3 @ 20'	< 16
H13110-21	MW#3 @ 30'	< 16
H13110-22	MW#3 @ 40'	< 16
H13110-23	MW#3 @ 50'	< 16
H13110-24	MW#3 @ 55'	< 16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods

4500- $\text{Cl}^-/\text{B}$

Note: Analyses performed on 1:4 w:v aqueous extracts.

  
Chemist

08-17-07  
Date

H13110 BBC

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# CARDINAL LABORATORIES

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(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO										ANALYSIS REQUEST									
Company Name: <u>BBC International</u>										P.O. #:									
Project Manager: <u>Cliff Brunson</u>										Company:									
Address: <u>1324 W. Marland</u>										Attn:									
City: <u>Hobbs NM</u> State: <u>NM</u> Zip: <u>88240</u>										Address:									
Phone #: <u>344-6388</u> Fax #: <u>347-0397</u>										City:									
Project #: _____										State:									
Project Name: <u>Williams 14</u>										Phone #:									
Project Location: <u>Livingston NM</u>										Fax #:									
Sampler Name: <u>D. Searles</u>																			
FOR LAB USE ONLY																			
Lab I.D.										Sample I.D.									
H13110-1										mw#1 @ 5'									
-2										mw#1 @ 10'									
-3										mw#1 @ 15'									
-4										mw#1 @ 20'									
-5										mw#1 @ 30'									
-6										mw#1 @ 40'									
-7										mw#1 @ 50'									
-8										mw#1 @ 55'									

MATRIX	PRESERV.	SAMPLING	DATE				TIME	
			OTHER:	ACID/BASE:	ICE / COOL	OTHER:		
GROUNDWATER					X		8/13/07	8:29
WASTEWATER					X		8/13/07	8:45
SOIL					X		8/13/07	9:02
OIL					X		8/13/07	9:45
SLUDGE					X		8/13/07	10:45
OTHER:					X		8/13/07	11:15
ACID/BASE:					X		8/13/07	11:58
ICE / COOL					X		8/13/07	12:49
OTHER:								

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Relinquished By: _____	Received By: _____
Date: <u>8/13/07</u>	Date: <u>8/13/07</u>
Time: <u>1:25</u>	Time: <u>2:15</u>

Delivered By: (Circle One)	Checked By: _____
Sampler - UPS - Bus - Other:	Sample Condition Cool Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
REMARKS: _____	





# CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603  
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO										ANALYSIS REQUEST									
Company Name: <i>BBL International</i>										P.O. #:									
Project Manager: <i>Cliff Benson</i>										Company:									
Address: <i>1324 W. Marland</i>										Attn:									
City: <i>Abilene</i>										State: <i>NM</i> Zip: <i>79603</i>									
Phone #: <i>393-2326</i>										Fax #: <i>393-2476</i>									
Project #:										Project Owner:									
Project Name: <i>Williams 14</i>										City:									
Project Location: <i>Quintanilla NM</i>										State:									
Sampler Name: <i>OSCAR F. ENAYE</i>										Phone #:									
FOR LAB USE ONLY										Fax #:									
Lab I.D.	Sample I.D.	(G) RAB OR (C) OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	OTHER:										
H13110-9	MW #2 @ 5'		1	GROUNDWATER	ACID/BASE:		8/14/07	8:17											
-10	MW #2 @ 10'		1	WASTEWATER	ICE / COOL		8/14/07	8:34											
-11	MW #2 @ 15'		1	SLUDGE	OTHER:		8/14/07	9:05											
-12	MW #2 @ 20'		1	SOIL			8/14/07	9:58											
-13	MW #2 @ 30'		1				8/14/07	10:14											
-14	MW #2 @ 40'		1				8/14/07	11:40											
-15	MW #2 @ 50'		1				8/14/07	12:34											
-16	MW #2 @ 55'		1				8/14/07	13:05											

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising from this 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: *[Signature]* Date: *8/15/07*  
Relinquished By: *[Signature]* Date: *1/25*

Received By: *[Signature]* Date: *8/15/07*  
Received By: *[Signature]* Date: *1/25*

Delivered By: (Circle One)  
Sampler - UPS - Bus - Other:

Sample Condition: Cool ☒ Intact ☒  
Yes ☒ No ☐

Checked By: (Initials) *[Signature]*

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

## CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240  
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Company Name: <u>BBC International</u>		P.O. #:		ANALYSIS REQUEST											
Project Manager: <u>Cliff Branson</u>		Company:													
Address: <u>1324 W Marland</u>		Attn:													
City: <u>Hobbs NM</u>		State: <u>NM</u> Zip: <u>88240</u>													
Phone #: <u>397-6388</u>		Fax #: <u>397-0397</u>													
Project #:		Project Owner:													
Project Name: <u>Williams 14</u>		State:		Zip:											
Project Location: <u>Louington NM</u>		Phone #:													
Sampler Name: <u>Oscar Fealye</u>		Fax #:													

Lab I.D. Sample I.D.		DATE		TIME		PRESERV		MATRIX		SAMPLING		OTHER		ACID/BASE		IDE / COOL		OTHER	
113110-17 MW #3 @ 5'		8/15/07		8:22				WASTEWATER											
-18 MW #3 @ 10'		8/15/07		8:58				GROUNDWATER											
-19 MW #3 @ 15'		8/15/07		9:52				WASTEWATER											
-20 MW #3 @ 20'		8/15/07		9:06				WASTEWATER											
-21 MW #3 @ 30'		8/15/07		9:35				WASTEWATER											
-22 MW #3 @ 40'		8/15/07		10:02				WASTEWATER											
-23 MW #3 @ 50'		8/15/07		10:38				WASTEWATER											
-24 MW #3 @ 55'		8/15/07		11:08				WASTEWATER											

Terms and Conditions: Laboratory will be charged an of accurate test fee 50 days prior due at the rate of 20% per month from the original date of payment, and at costs of collection, including attorney's fees.

Sampler Relinquished: <u>Oscar Fealye</u>		Date: <u>8/15/07</u>		Time: <u>16:25</u>		Received By: <u>[Signature]</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: <u></u>	
Relinquished By: <u>[Signature]</u>		Date: <u></u>		Time: <u></u>		Received By: (Lab Staff)		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #: <u></u>	
Delivered By: (Circle One)		Sample Condition		Checked By: (Initials)		Cool		Intact		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Cool		Intact		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		3B	

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



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Receiving Date: 08/17/07  
Reporting Date: 08/17/07  
Project Owner: NOT GIVEN  
Project Name: WILLIAMS 14 FED NO. 1  
Project Location: LOVINGTON, NM

Analysis Date: 08/17/07  
Sampling Date: 08/17/07  
Sample Type: GROUNDWATER  
Sample Condition: COOL & INTACT  
Sample Received By: AB  
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl <sup>-</sup> (mg/L)
H13126-1	MW #1	28
H13126-2	MW #2	28
H13126-3	MW #3	44
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1
METHOD: Standard Methods		4500-ClB

## Chemist

Date \_\_\_\_\_

H13126 BBC

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21111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240  
(817) 672-2001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

11 Beschwood, Abilene, TX 79603  
(505) 393-2326 Fax (505) 393-2476

Page of

**BIBLE**

Company Name:	BSC International	P.O. #:	
Project Manager:	C. L. Brunson	Company:	
Address:	1324 W. MARLAND	Airtel:	
City:	HOBBS	State:	LA Zip: 88240
Phone #:	797-6588	Fax #:	397-0897
Project #:		Project Owner:	
Project Name:	Williams 14 Fed no 1	Zip:	
Project Location:	Louisa N.M.	Phone #:	
Sampler Name:	O SCAR FEATURE	Fax #:	
		PRESERVATION DATE	SAMPLING

[illegible]

PLEASE NOTE: Liberty and shorts actually owned by my father and father-in-law, but they are listed as the amount paid by the third parties.

Thermal and Chemical Analysis will be stamped on a separate sheet for 30 days from date of the date of 2014 per letter from the original date of transfer.

Date: <u>8/14/07</u> Time: _____		Received By: _____		Date: <u>8/17/07</u> Time: <u>11:40am</u>		Received By: <u>Star-B</u>		Checked By: _____ Initials: <u>AB</u>	
Sample Relinquished: <u>Deere Faye</u>		Relinquished By: _____		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Delivered By: (Circle One) _____		Sampler: ups - Bus - Other: _____	
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: _____		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #: _____		REMARKS: _____	

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



# ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR  
BBC INTERNATIONAL, INC.  
ATTN: CLIFF BRUNSON  
P.O. BOX 805  
HOBBS, NM 88241  
FAX TO: (505) 397-0397

Receiving Date: 08/21/07  
Reporting Date: 08/21/07  
Project Owner: NOT GIVEN  
Project Name: WILLIAMS #14 FED NO. #1  
Project Location: LOVINGTON, NM

Analysis Date: 08/21/07  
Sampling Date: 08/21/07  
Sample Type: GROUNDWATER  
Sample Condition: INTACT  
Sample Received By: AB  
Analyzed By: HM

LAB NUMBER    SAMPLE ID     $\text{Cl}^-$   
(mg/L)

H13146-1	MW #3	32
H13146-2	TEMPORARY MONITOR WELL	44
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods

4500- $\text{Cl}^-$ B

  
Chemist

08-22-07  
Date

H13146 BBC

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**VonGonten, Glenn, EMNRD**

---

**From:** Harlan Brown [HBrown@chkenergy.com]  
**Sent:** Tuesday, July 31, 2007 1:13 PM  
**To:** VonGonten, Glenn, EMNRD  
**Cc:** Bradley Blevins; Curtis Blake; Cliff P. Brunson  
**Subject:** Williams 14 Federal No. 1  
**Follow Up Flag:** Follow up  
**Flag Status:** Red  
**Attachments:** NM OCD letter.pdf

Mr. Von Gonten:

Please find attached our intention to drill and set monitor wells at the referenced site.

<<NM OCD letter.pdf>>

Feel free to contact me if you have questions.

Respectfully,

**Harlan M. Brown**

Sr. Environmental Representative  
405-767-4446  
Chesapeake Energy Corporation  
6100 N Western Avenue  
Oklahoma City, OK 73118

---

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9/29/2008



Regulatory Department

July 31, 2007

**VIA UPS OVERNIGHT**

Mr. Glen Von Gonten, Senior Hydrologist  
New Mexico Energy, Minerals & Natural Resources Dept  
New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Re: Williams 14 Federal No.1  
Section 14, Township 15 South, Range 35 East  
Lea County, New Mexico  
1R0485

Dear Mr. Von Gonten:

On January 29, 2007 the NMOCD sent Chesapeake a requirement to submit a remediation plan for chloride contamination (181 mg/L) thought to impact groundwater at the referenced site. Chesapeake sampled the temporary monitor well (TMW1) twice in February resulting in chloride results of 36 mg/L (2-08-07) and 32 mg/L (2-24-07). Since both of these chloride concentrations are in the background range of groundwater in the vicinity of the site Chesapeake requested permission from the NMOCD to proceed with closure of the pit in a February 20, 2007 conference call involving Cliff Brunson (BBC Int'l), Bradley Blevins and Harlan Brown (Chesapeake Operating), and Glenn Von Gonten (NMOCD). We believe the previous detection of chlorides (181 mg/L) was the result of poor purging following completion of the well or cross contamination during the sampling procedure. We have as yet not received written notification that we could close the pit or if further action is required by the NMOCD at the site.

The contents of the pit were removed and deep buried in June 2005. In the two years since that time the pit has remained open to the elements. In an effort to establish that groundwater is not contaminated and move forward with closure of this pit Chesapeake will be installing three monitor wells, following NMOCD guidelines for monitor well construction, on August 13 and 14, 2007. Soil samples will be collected at 5' intervals to and including 20' below surface grade and at 10' intervals from 20' below surface to and including the watertable for the

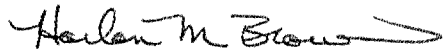


contaminant of concern (chlorides). One monitor well will be located up-gradient from the former reserve pit. The other two monitor wells will be installed in the most likely down-gradient direction of contaminant migration. The wells will be purged and sampled following completion using appropriate sampling protocols. A site location map is included for your reference. The site diagram depicts previous soil borings, the existing temporary monitor well, and the location of monitor wells to be installed on August 13 and 14.

Chesapeake will provide a report documenting installation of the monitor wells, hydraulic gradient, and the results of soil and groundwater analysis as soon as the results are available.

If you have questions or comments, please contact me at 405-767-4446.

Respectfully,

A handwritten signature in black ink, appearing to read "Harlan M. Brown", with a long horizontal flourish extending to the right.

Harlan M. Brown  
Senior Environmental Representative

HB:rr  
Enclosure

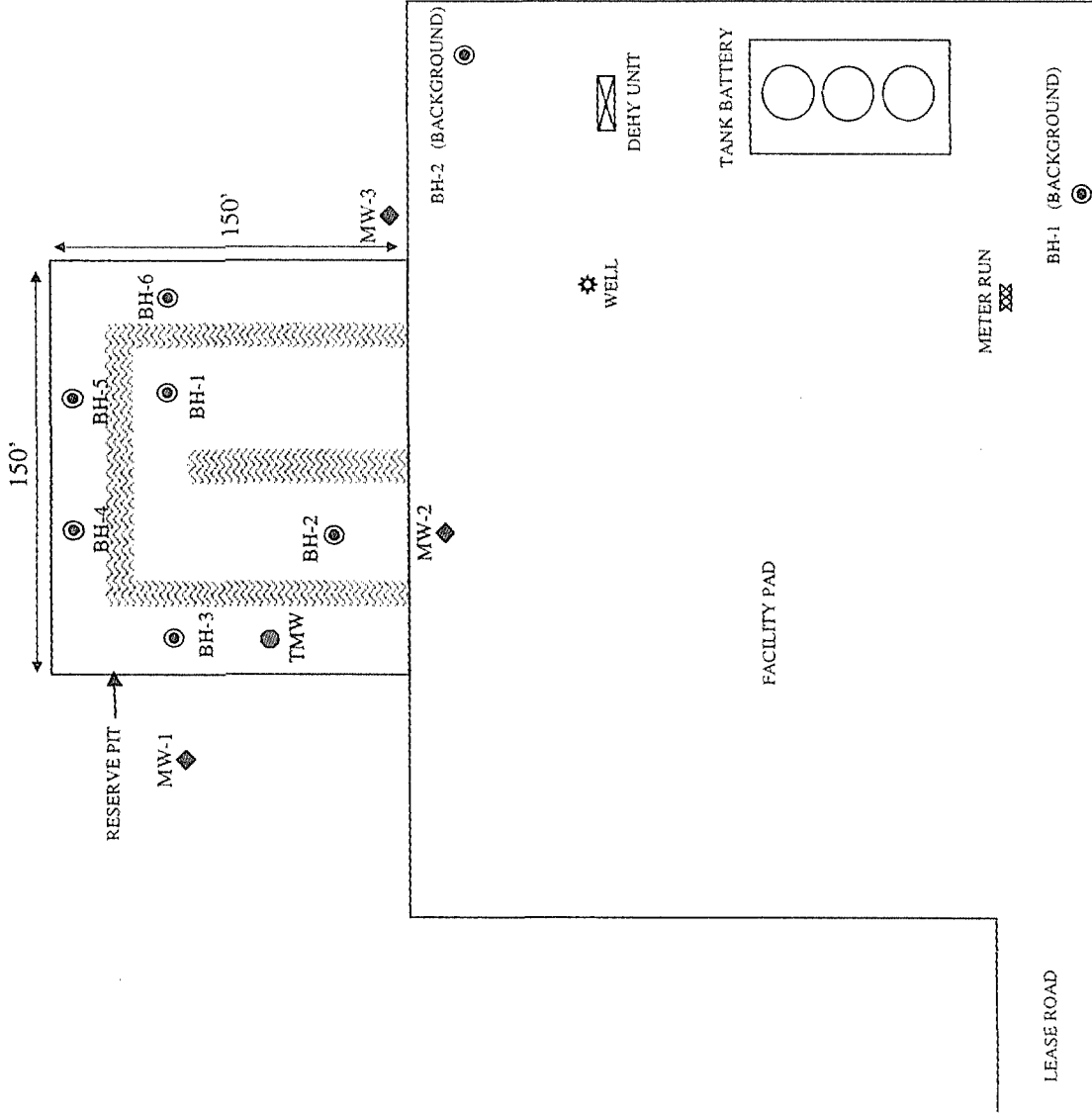


FIGURE 1

BBC INTERNATIONAL, INC.	
CHESAPEAKE ENERGY CORP.	
WILLIAM 14 FEDERAL #1	
Date: 5-4-07	Drawn By: JG
Disk:	Sheet 1 of 1 Sheets
Scale: Not to Scale	File Name

**LEGEND**

- ◆ Proposed monitoring well
- Temporary monitoring well
- ⊙ Borehole locations



## SHIPPING REQUEST FORM



YOUR CUSTOMER ID (IF NECESSARY) \_\_\_\_\_

COMPANY NAME New Mexico Energy, Minerals & Natural Resources Dept - Oil Conservation Div

ATTENTION TO Mr. Glen Von Gonten

ADDRESS (STREET ADDRESS ONLY - No P.O. Box if possible please)

1220 South St. Francis Drive

CITY Santa Fe STATE NM ZIP 87505

PHONE # \_\_\_\_\_ RESIDENTIAL DELIVERY? No

### SERVICE TYPE

#### SERVICES WITHIN CONTINENTAL U.S. via UPS

<input checked="" type="checkbox"/>	NEXT BUSINESS DAY BY 10:30 AM
<input type="checkbox"/>	NEXT BUSINESS DAY BY END OF DAY
<input type="checkbox"/>	*NEXT BUSINESS DAY BY 8 AM*
	<i>*For an Additional \$25.00 Charge*</i>
<input type="checkbox"/>	SECOND BUSINESS DAY - AM
<input type="checkbox"/>	SECOND BUSINESS DAY - PM
<input type="checkbox"/>	UPS GROUND - 1 to 5 DAYS
<input type="checkbox"/>	INCLUDE RETURN ENVELOPE BACK TO SENDER
<input type="checkbox"/>	*SATURDAY DELIVERY* If shipped on a Friday
	<i>*For an Additional \$10.00 Charge*</i>
\$ <input type="checkbox"/>	INSURANCE (IF VALUE EXCEEDS \$100)
	<small>(This must be included in order to receive loss claims)</small>

#### USPS EXPRESS MAIL (P.O. BOX ONLY)

(Please only use this if you CAN'T get a physical address)

#### \*\*SERVICES OUTSIDE THE U.S.\*\*

\*\*Vary in delivery times from 1-5 business days depending upon where it's going

\*\*Each shipment is guaranteed "Pending Normal Customs Clearance" which COULD delay a package

\*\*If your shipment won't fit in an envelope, we'll need the value of the shipment for invoicing purposes

WORLDWIDE EXPRESS - 1-3 DAYS

WORLDWIDE EXPEDITED - 2 DAYS AND BEYOND

\*\*\*IF YOU HAVE ANY QUESTIONS ABOUT DELIVERY SERVICES AND/OR TIMES, PLEASE CONTACT THE MAILROOM FOR SPECIFICS\*\*\*

**ALL SERVICE TYPES ARE SUBJECT TO AVAILABILITY  
PER DESTINATION LOCATION**

SENDER'S NAME & E-MAIL rriebe@chkenergy.com

(E-mail must be included if you want UPS to send you TRACKING information)

APPROVED BY Renee Riebe - 7-31-07

**THE ABOVE FORM MUST BE FILLED OUT COMPLETELY  
PLEASE PRINT CLEARLY**

**VonGonten, Glenn, EMNRD**

---

**From:** Bradley Blevins [BBlevins@chkenergy.com]  
**Sent:** Friday, February 23, 2007 7:37 AM  
**To:** VonGonten, Glenn, EMNRD  
**Cc:** cbrunson@bbcinternational.com  
**Subject:** RE: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

Glenn,

I did not receive the original letter you sent to our new address. I have the copied version you gave to Cliff Brunson with BBC.

Bradley Blevins  
Chesapeake Energy  
Hobbs NM 88241  
Po box 190  
1616 West Bender Boulevard

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

From: VonGonten, Glenn, EMNRD [mailto:Glenn.VonGonten@state.nm.us]  
Sent: Monday, January 29, 2007 10:42 AM  
To: Bradley Blevins  
Subject: RE: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

Bradley,

OCD has determined that Chesapeake will need to submit a Remediation Plan for this site before it can be closed. I sent you a letter last week to Chesapeake Operating, Inc., 5014 W Carlsbad Hwy, Hobbs, NM 88240 - 9229 but it was returned by the post office. Please send me your new address and I will resend the letter.

Thanks,

Glenn

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

From: Bradley Blevins [mailto:BBlevins@chkenergy.com]  
Sent: Monday, January 15, 2007 1:46 PM  
To: VonGonten, Glenn, EMNRD  
Cc: Ike T  
Subject: FW: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

Glenn,

Do you have any info on this location, I would like to get this location closed out as soon as possible. If you could check on the status I would appreciate it.

Thank You,

Bradley Blevins  
Chesapeake Energy  
Hobbs NM  
505-391-1591 -ext 6224  
505-441-0341 cell

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

From: Bradley Blevins  
Sent: Monday, December 04, 2006 10:59 AM  
To: 'glenn.vongonten@state.nm.us'  
Cc: Curtis Blake  
Subject: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

Glenn,

Per our conversation this morning, please find attached the groundwater data from the temporary monitor well, site map, and the soil data collected from soil borings. Please note that BH-3 became the temporary monitor well and water was reached around 48-50'.

Please review and get back with me.

Thanks,

Bradley Blevins  
Chesapeake Operating, Inc.

-----

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## VonGonten, Glenn, EMNRD

---

**From:** Bradley Blevins [BBlevins@chkenergy.com]  
**Sent:** Monday, January 29, 2007 10:04 AM  
**To:** VonGonten, Glenn, EMNRD  
**Subject:** RE: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

CHESAPEAKE ENERGY  
1616 WEST BENDER BOULEVARD  
P.O. BOX 190  
HOBBS NM 88241

Thanks,

Bradley Blevins

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

From: VonGonten, Glenn, EMNRD [mailto:Glenn.VonGonten@state.nm.us]  
Sent: Monday, January 29, 2007 10:42 AM  
To: Bradley Blevins  
Subject: RE: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

Bradley,

OCD has determined that Chesapeake will need to submit a Remediation Plan for this site before it can be closed. I sent you a letter last week to Chesapeake Operating, Inc., 5014 W Carlsbad Hwy, Hobbs, NM 88240 - 9229 but it was returned by the post office. Please send me your new address and I will resend the letter.

Thanks,

Glenn

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

From: Bradley Blevins [mailto:BBlevins@chkenergy.com]  
Sent: Monday, January 15, 2007 1:46 PM  
To: VonGonten, Glenn, EMNRD  
Cc: Ike T  
Subject: FW: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

Glenn,

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Thank You,

Bradley Blevins  
Chesapeake Energy  
Hobbs NM  
505-391-1591 -ext 6224  
505-441-0341 cell

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

From: Bradley Blevins  
Sent: Monday, December 04, 2006 10:59 AM  
To: 'glenn.vongonten@state.nm.us'  
Cc: Curtis Blake  
Subject: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

Glenn,

Per our conversation this morning, please find attached the groundwater data from the temporary monitor well, site map, and the soil data collected from soil borings. Please note that BH-3 became the temporary monitor well and water was reached around 48-50'.

Please review and get back with me.

Thanks,

Bradley Blevins  
Chesapeake Operating, Inc.

-----

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This email has been scanned by the Sybari - Antigen Email System.

P. O. Box 805  
1324 W. Marland  
Hobbs, New Mexico 88241  
Phone: (505) 397-6388  
Fax: (505) 397-0397  
E-mail: cbrunson@bbcinternational.com

**BBC International, Inc.**  
World-Wide Environmental Specialists  
Environmental Consulting & Remediation Services

# Fax

<b>To:</b> Glenn Von Gonten-NMOCD	<b>From:</b> Cliff P. Brunson
<b>Fax:</b> 505-476-3462	<b>Pages:</b> 4
<b>Phone:</b>	<b>Date:</b> 2/21/2007
<b>Re:</b> Chesapeake Williams 14 Fed. No. 1	<b>CC:</b>
<input type="checkbox"/> <b>Urgent</b> <input type="checkbox"/> <b>For Review</b> <input type="checkbox"/> <b>Please Comment</b> <input type="checkbox"/> <b>Please Reply</b> <input type="checkbox"/> <b>Please Recycle</b>	

• **Comments:**

Glenn,

Please find the following information that I have not been successful in e-mailing you. Look forward to hearing from you about this.

Cliff



**Cliff P. Brunson**

---

**From:** Cliff P. Brunson [cbrunson@bbcinternational.com]  
**Sent:** Wednesday, February 21, 2007 2:40 PM  
**To:** 'glenn.vongonten@state.nm.us'  
**Cc:** Harlan Brown; Bradley Blevins; Jennifer Gilkey  
**Subject:** Chesapeake Williams 14 Federal No. #1 - Field notes  
**Attachments:** Field Log notes-Feb. 8 & 14, 2007.pdf

Glenn,

Per your request, I have attached the field notes of the two well purging and sampling events for the Williams 14 Federal No. #1. For your information, the temporary monitor well TMW-1 is about 8 feet below ground level so if you added 8 feet it would correlate with the water depth found in the source well to the east.

Please confirm that you have received this e-mail and the attachment. We appreciate your time looking at this project and look forward to your concurrence that there is no need for a remediation plan and then Chesapeake can move forward to completing the closing of the reserve pit.

I look forward to hearing from you soon.

Cliff

---

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---

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 Blvd.  
Hobbs, NM 88240 USA  
Phone: (505) 397-6388  
Fax: (505) 397-0397  
E-mail: cbrunson@bbcinternational.com  
Web: www.bbcinternational.com

---

2/21/2007

54

Location Williams 14 Fed #1 Date 2/8/07

Location

Project / Client Chesapeake

Project /

Arrived on location at 9:00 am  
Gauged T.M.W. - 1st 16.15 cm 2" pipe  
Water level at 46.58 ft.  
Gauged total depth of well  
Total depth 166.0 feet  
Purged well 9.5 gallons  
Sample was taken at 11:00 am

Cut welded top off source water well  
east of Williams 14  
Gauged well at 11:15 am - deeper than  
300 ft. end of 1st 5" pipe  
Purged well 100 gallons  
Sample was taken at 12:20 pm

Sampled windmill water west of  
Williams 14  
Sample was taken at 10:45 by  
Cliff Benson

510-1

Location Williams #14 Well Date 2/14/64 53

Project / Client RAC Cat Island

arrived on location at 9:37

Gauged well, water level at 9:46

water level 46.63

Gauge & monitor used for total depth

total depth 66.0

plugged well 18.0 gallons for sample

Sample was at 11:47 am

4.3.0

TRANSACTION REPORT

P. 01

FEB-21-2007 WED 06:19 PM

FOR:

RECEIVE

DATE	START	SENDER	RX TIME	PAGES	TYPE	NOTE	M#	DP
FEB-21	06:18 PM	15053970397	1'24"	4	RECEIVE	OK		

\*\*\*\*\*

1R 0485

**VonGonten, Glenn, EMNRD**

**From:** Bradley Blevins [BBlevins@chkenergy.com]  
**Sent:** Tuesday, February 20, 2007 9:09 AM  
**To:** VonGonten, Glenn, EMNRD  
**Subject:** FW: Chesapeake Williams 14 Federal No. 1  
**Attachments:** Groundwater Lab Data-Feb. 2007.pdf

---

**From:** Cliff P. Brunson [mailto:cbrunson@bbcinternational.com]  
**Sent:** Monday, February 19, 2007 9:24 PM  
**To:** Glenn Von Gonten  
**Cc:** Bradley Blevins; Harlan Brown; Jennifer Gilkey; Ken Swinney  
**Subject:** Chesapeake Williams 14 Federal No. 1

Glenn,

I am writing this message to inform you that Chesapeake personnel and myself will call you on Tuesday, Feb. 20, 2007 at 8 a.m. to discuss the path forward on the above mentioned well site. This is in reference to your letter to Bradley Blevins of Chesapeake on Jan. 29, 2007 requiring the submission of a Remediation Plan for the Williams 14 Federal No. 1. We have sampled the temporary monitor well twice (in the last week) that is still in place inside the former reserve pit that originally detected 181 ppm chloride and I have attached the lab results. In addition, we found the source water well that is approximately 350 yards to the east and slightly south of the well site. This well was drilled to supply water to the rig that drilled this well. Also, we sampled a windmill that is approximately 1/2 mile to the west of the well site. As you can see, the chloride results are low and stayed consistent with one another and the temporary well sample was very consistent indicating no groundwater impact. Please review the data and we look forward to discussing this with you.

Thank you in advance,

Cliff

\*\*\*\*\*  
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 \*\*\*\*\*

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 Blvd.  
 Hobbs, NM 88240 USA  
 Phone: (505) 397-6388  
 Fax: (505) 397-0397  
 E-mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)  
 Web: [www.bbcinternational.com](http://www.bbcinternational.com)  
 \*\*\*\*\*

--  
 No virus found in this outgoing message.  
 Checked by AVG.

6/13/2007

**VonGonten, Glenn, EMNRD**

1R0485

**From:** Bradley Blevins [BBlevins@chkenergy.com]  
**Sent:** Monday, January 29, 2007 10:04 AM  
**To:** VonGonten, Glenn, EMNRD  
**Subject:** RE: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

CHESAPEAKE ENERGY  
1616 WEST BENDER BOULEVARD  
P.O. BOX 190  
HOBBS NM 88241

Thanks,

Bradley Blevins

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

From: VonGonten, Glenn, EMNRD [mailto:Glenn.VonGonten@state.nm.us]  
Sent: Monday, January 29, 2007 10:42 AM  
To: Bradley Blevins  
Subject: RE: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

Bradley,

OCD has determined that Chesapeake will need to submit a Remediation Plan for this site before it can be closed. I sent you a letter last week to Chesapeake Operating, Inc., 5014 W Carlsbad Hwy, Hobbs, NM 88240 - 9229 but it was returned by the post office. Please send me your new address and I will resend the letter.

Thanks,

Glenn

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

From: Bradley Blevins [mailto:BBlevins@chkenergy.com]  
Sent: Monday, January 15, 2007 1:46 PM  
To: VonGonten, Glenn, EMNRD  
Cc: Ike T  
Subject: FW: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

Glenn,

Do you have any info on this location, I would like to get this location closed out as soon as possible. If you could check on the status I would appreciate it.

Thank You,

Bradley Blevins  
Chesapeake Energy  
Hobbs NM  
505-391-1591 -ext 6224  
505-441-0341 cell

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

From: Bradley Blevins  
Sent: Monday, December 04, 2006 10:59 AM  
To: 'glenn.vongonten@state.nm.us'  
Cc: Curtis Blake  
Subject: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

Glenn,

Per our conversation this morning, please find attached the groundwater data from the temporary monitor well, site map, and the soil data collected from soil borings. Please note that BH-3 became the temporary monitor well and water was reached around 48-50'.

Please review and get back with me.

Thanks,

Bradley Blevins  
Chesapeake Operating, Inc.

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VonGonten, Glenn, EMNRD

120485

**From:** Bradley Blevins [BBlevins@chkenergy.com]  
**Sent:** Friday, February 23, 2007 7:37 AM  
**To:** VonGonten, Glenn, EMNRD  
**Cc:** cbrunson@bbcinternational.com  
**Subject:** RE: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

Glenn,

I did not receive the original letter you sent to our new address. I have the copied version you gave to Cliff Brunson with BBC.

Bradley Blevins  
Chesapeake Energy  
Hobbs NM 88241  
Po box 190  
1616 West Bender Boulevard

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

From: VonGonten, Glenn, EMNRD [mailto:Glenn.VonGonten@state.nm.us]  
Sent: Monday, January 29, 2007 10:42 AM  
To: Bradley Blevins  
Subject: RE: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

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Thanks,

Glenn

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

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Cc: Ike T  
Subject: FW: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)

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Thank You,

Bradley Blevins  
Chesapeake Energy  
Hobbs NM  
505-391-1591 -ext 6224  
505-441-0341 cell

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From: Bradley Blevins  
Sent: Monday, December 04, 2006 10:59 AM  
To: 'glenn.vongonten@state.nm.us'  
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Subject: WILLIAMS 14 FED 1 (LAB DATA AND SITE INFO)



Glenn,

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Please review and get back with me.

Thanks,

Bradley Blevins  
Chesapeake Operating, Inc.

-----

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# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

**Oil Conservation Division**

**January 29, 2007**

Mr. Bradley Blevins  
Chesapeake Energy  
1616 West Bender Boulevard  
P.O. Box 190  
Hobbs, NM 88241

**RE: REQUIREMENT TO SUBMIT REMEDIATION PLAN  
CHESAPEAKE WILLIAMS 14 FEDERAL NO. 1  
SECTION 14, TOWNSHIP 15 SOUTH, RANGE 35 EAST  
LEA COUNTY, NEW MEXICO  
1R0485**

Dear Mr. Blevins:

The New Mexico Oil Conservation Division (OCD) has determined after reviewing the information submitted by Chesapeake that it must submit a Remediation Plan to investigate the soil and ground water contamination at its Williams 14 Federal No. 1 Lease, located in Section 14, Township 15 South, Range 35 East, Lea County, New Mexico by March 9, 2007. The analytical data documents that the chlorides concentration in the ground water in the temporary monitor well was 181 mg/L, which exceeds the background ground water concentration for chlorides in this part of Lea County.

OCD reminds Chesapeake that it was required to submit *immediate verbal notice and timely written notice* to OCD when it determined that ground water had been impacted. OCD Rule 116 requires operators to report major releases by giving the OCD "*immediate verbal notice and timely written notice.*" OCD has determined that this was a major release because ground water quality has been negatively impacted. Rule 116B uses the phrase "...*detrimental to water or cause an exceedance of the standards ....*"

Mr. Bradley Blevins  
January 22, 2007  
Page 2

OCD hereby requires Chesapeake to submit a Remediation Plan pursuant to Rule 116D by March 1, 2007. Chesapeake's Remediation Plan must specify how it will investigate the extent of the chlorides contamination in both soils and ground water. The workplan must also include a complete description of the site, including a site map, the site history including the nature of the release, a summary of previous investigations, and copies of all reports previously submitted to the Hobbs District Office. Chesapeake must install as many soil borings and monitoring wells as necessary to delineate the extent of the chlorides contamination in both soil and ground water using an appropriate number of isoconcentration maps and cross sections. Chesapeake's proposal must include the installation of at least one monitor well inside the perimeter of the former reserve pit to determine whether chlorides contamination has migrated directly down to ground water. If the pit well confirms that ground water has been impacted, then an additional well must be installed screened below the water table to determine whether "plume diving" is occurring.

If Chesapeake's soil and ground water investigation detects contamination at concentrations that exceed the Water Quality Control Commission (WQCC) abatement standards specified at 20.6.2.3103 NMAC, then it must immediately notify OCD of this fact and submit a Stage 1 Abatement Plan proposal within sixty (60) days if it has not completely delineated the release. If the extent of the release has been determined, then Chesapeake must submit a Stage 2 Abatement Plan proposal.

After it has completely delineated the release, OCD will determine whether to require additional action from Chesapeake. To avoid any potential conflict with Rule 50, OCD recommends that Samson submit a request pursuant to Rule 50G(2) to delay closure until it has completed its investigation. OCD cannot approve closure of this site until the investigation has been implemented.

Chesapeake should submit one paper copy and one electronic copy of all workplans and/or reports. If you have any questions, please contact me at (505) 476-3488.

Sincerely,

A handwritten signature in black ink, appearing to read "Glenn von Gonten". The signature is fluid and cursive, with a long horizontal stroke at the end.

Glenn von Gonten  
Senior Hydrologist

cc: Larry Johnson, OCD Hobbs District



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

**Oil Conservation Division**

January 22, 2007

Mr. Bradley Blevins  
Chesapeake Operating, Inc.  
5014 W Carlsbad Hwy  
Hobbs, NM 88240 - 9229

*Returned  
NFA*

**RE: REQUIREMENT TO SUBMIT REMEDIATION PLAN  
CHESAPEAKE WILLIAMS 14 FEDERAL NO. 1  
SECTION 14, TOWNSHIP 15 SOUTH, RANGE 35 EAST  
LEA COUNTY, NEW MEXICO  
1R0485**

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OCD reminds Chesapeake that it was required to submit *immediate verbal notice and timely written notice* to OCD when it determined that ground water had been impacted. OCD Rule 116 requires operators to report major releases by giving the OCD "*immediate verbal notice and timely written notice.*" OCD has determined that this was a major release because ground water quality has been negatively impacted. Rule 116B uses the phrase "...*detrimental to water or cause an exceedance of the standards ....*"

OCD hereby requires Chesapeake to submit a Remediation Plan pursuant to Rule 116D by March 1, 2007. Chesapeake's Remediation Plan must specify how it will investigate the extent of the chlorides contamination in both soils and ground water. The workplan must also include a

Mr. Bradley Blevins  
January 22, 2007  
Page 2

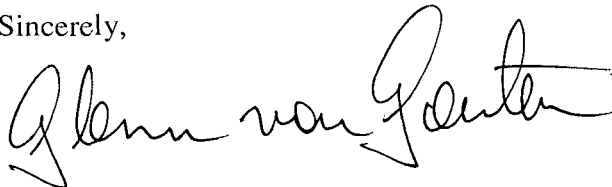
complete description of the site, including a site map, the site history including the nature of the release, a summary of previous investigations, and copies of all reports previously submitted to the Hobbs District Office. Chesapeake must install as many soil borings and monitoring wells as necessary to delineate the extent of the chlorides contamination in both soil and ground water using an appropriate number of isoconcentration maps and cross sections. Chesapeake's proposal must include the installation of at least one monitor well inside the perimeter of the former reserve pit to determine whether chlorides contamination has migrated directly down to ground water. If the pit well confirms that ground water has been impacted, then an additional well must be installed screened below the water table to determine whether "plume diving" is occurring.

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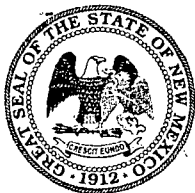
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Glenn von Gonten  
Senior Hydrologist

cc: Larry Johnson, OCD Hobbs District



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

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Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

**Oil Conservation Division**

January 22, 2007

Mr. Bradley Blevins  
Chesapeake Operating, Inc.  
5014 W Carlsbad Hwy  
Hobbs, NM 88240 - 9229

*returned  
wrong address*

**RE: REQUIREMENT TO SUBMIT REMEDIATION PLAN  
CHESAPEAKE WILLIAMS 14 FEDERAL NO. 1  
SECTION 14, TOWNSHIP 15 SOUTH, RANGE 35 EAST  
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Mr. Bradley Blevins  
January 22, 2007  
Page 2

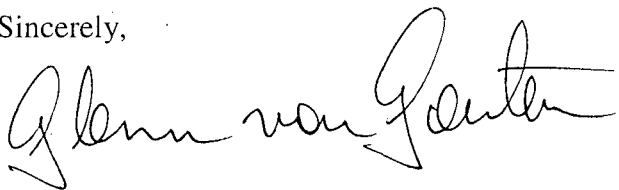
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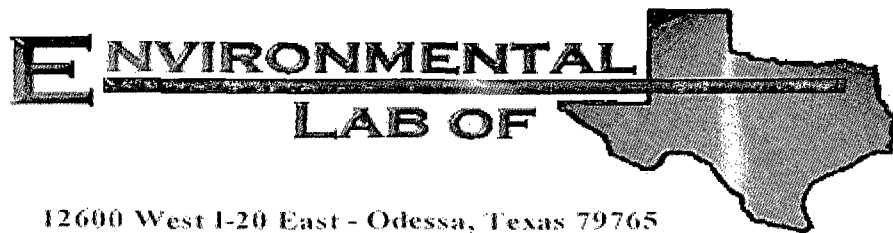
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Sincerely,

A handwritten signature in black ink, reading "Glenn von Gonten". The signature is fluid and cursive, with the first name "Glenn" being the most prominent part.

Glenn von Gonten  
Senior Hydrologist

cc: Larry Johnson, OCD Hobbs District



12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

Ike Tavaréz

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Chesapeake/ William 14 Fed #1

Project Number: 2413

Location: Lea Co., NM

Lab Order Number: 6C31019

Report Date: 04/07/06



Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Chesapeake/ William 14 Fed #1  
Project Number: 2413  
Project Manager: Ike Tavaraz

Fax: (432) 682-3946  
**Reported:**  
04/07/06 08:23

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TMW-1	6C31019-01	Water	03/29/06 14:45	03/31/06 15:30

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Chesapeake/ William 14 Fed #1  
Project Number: 2413  
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:  
04/07/06 08:23

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>TMW-1 (6C31019-01) Water</b>									
Benzene	ND	0.00100	mg/L	1	ED60506	04/05/06	04/05/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		92.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.2 %	80-120		"	"	"	"	

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Chesapeake/ William 14 Fed #1  
Project Number: 2413  
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:  
04/07/06 08:23

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>TMW-1 (6C31019-01) Water</b>									
<b>Chloride</b>	<b>181</b>	5.00	mg/L	10	ED60306	03/31/06	04/03/06	EPA 300.0	
<b>Total Dissolved Solids</b>	<b>790</b>	5.00	"	1	ED60317	04/03/06	04/04/06	EPA 160.1	

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Chcsapcake/ William 14 Fed #1  
Project Number: 2413  
Project Manager: Ike Tavarez

Fax: (432) 682-3946

Reported:  
04/07/06 08:23

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch ED60506 - EPA 5030C (GC)**

**Blank (ED60506-BLK1)**

Prepared & Analyzed: 04/05/06

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	36.0		ug/l	40.0		90.0	80-120			
Surrogate: 4-Bromofluorobenzene	33.8		"	40.0		84.5	80-120			

**LCS (ED60506-BS1)**

Prepared & Analyzed: 04/05/06

Benzene	0.0400	0.00100	mg/L	0.0500		80.0	80-120			
Toluene	0.0401	0.00100	"	0.0500		80.2	80-120			
Ethylbenzene	0.0542	0.00100	"	0.0500		108	80-120			
Xylene (p/m)	0.0934	0.00100	"	0.100		93.4	80-120			
Xylene (o)	0.0445	0.00100	"	0.0500		89.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.8		ug/l	40.0		94.5	80-120			
Surrogate: 4-Bromofluorobenzene	33.3		"	40.0		83.2	80-120			

**Calibration Check (ED60506-CCV1)**

Prepared: 04/05/06 Analyzed: 04/06/06

Benzene	40.9		ug/l	50.0		81.8	80-120			
Toluene	40.2		"	50.0		80.4	80-120			
Ethylbenzene	53.8		"	50.0		108	80-120			
Xylene (p/m)	92.5		"	100		92.5	80-120			
Xylene (o)	44.3		"	50.0		88.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	39.2		"	40.0		98.0	80-120			
Surrogate: 4-Bromofluorobenzene	39.7		"	40.0		99.2	80-120			

**Matrix Spike (ED60506-MS1)**

Source: 6D05001-05

Prepared: 04/05/06 Analyzed: 04/06/06

Benzene	0.0423	0.00100	mg/L	0.0500	ND	84.6	80-120			
Toluene	0.0400	0.00100	"	0.0500	ND	80.0	80-120			
Ethylbenzene	0.0528	0.00100	"	0.0500	ND	106	80-120			
Xylene (p/m)	0.0907	0.00100	"	0.100	ND	90.7	80-120			
Xylene (o)	0.0432	0.00100	"	0.0500	ND	86.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	33.9		ug/l	40.0		84.8	80-120			
Surrogate: 4-Bromofluorobenzene	34.4		"	40.0		86.0	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 4 of 7

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Chesapeake/ William 14 Fed #1  
Project Number: 2413  
Project Manager: Ike Tavaraz

Fax: (432) 682-3946

Reported:  
04/07/06 08:23

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch ED60506 - EPA 5030C (GC)**

**Matrix Spike Dup (ED60506-MSD1)**

Source: 6D05001-05

Prepared: 04/05/06 Analyzed: 04/06/06

Benzene	0.0418	0.00100	mg/L	0.0500	ND	83.6	80-120	1.19	20	
Toluene	0.0416	0.00100	"	0.0500	ND	83.2	80-120	3.92	20	
Ethylbenzene	0.0563	0.00100	"	0.0500	ND	113	80-120	6.39	20	
Xylene (p/m)	0.0966	0.00100	"	0.100	ND	96.6	80-120	6.30	20	
Xylene (o)	0.0459	0.00100	"	0.0500	ND	91.8	80-120	6.06	20	
Surrogate: a,a,a-Trifluorotoluene	41.2		ug/l	40.0		103	80-120			
Surrogate: 4-Bromofluorobenzene	36.6		"	40.0		91.5	80-120			

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

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Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Chesapeake/ William 14 Fed #1  
Project Number: 2413  
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:  
04/07/06 08:23

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**

**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch ED60306 - General Preparation (WetChem)</b>										
<b>Blank (ED60306-BLK1)</b>				Prepared & Analyzed: 04/03/06						
Chloride	ND	0.500	mg/L							
<b>LCS (ED60306-BS1)</b>				Prepared & Analyzed: 04/03/06						
Chloride	8.69		mg/L	10.0		86.9	80-120			
<b>Calibration Check (ED60306-CCV1)</b>				Prepared & Analyzed: 04/03/06						
Chloride	9.04		mg/L	10.0		90.4	80-120			
<b>Duplicate (ED60306-DUP1)</b>				<b>Source: 6C29006-01</b>		Prepared & Analyzed: 04/03/06				
Chloride	570	10.0	mg/L		564			1.06	20	
<b>Batch ED60317 - General Preparation (WetChem)</b>										
<b>Blank (ED60317-BLK1)</b>				Prepared: 04/03/06 Analyzed: 04/04/06						
Total Dissolved Solids	ND	5.00	mg/L							
<b>Duplicate (ED60317-DUP1)</b>				<b>Source: 6C30012-01</b>		Prepared: 04/03/06 Analyzed: 04/04/06				
Total Dissolved Solids	662	5.00	mg/L		644			2.76	5	

Highlander Environmental Corp.  
1910 N. Big Spring St.  
Midland TX, 79705

Project: Chesapeake/ William 14 Fcd #1  
Project Number: 2413  
Project Manager: lkc Tavaréz

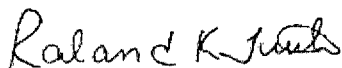
Fax: (432) 682-3946

Reported:  
04/07/06 08:23

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference  
LCS Laboratory Control Spike  
MS Matrix Spike  
Dup Duplicate

Report Approved By:



Date:

4/7/2006

Raland K. Tuttle, Lab Manager  
Celey D. Keene, Lab Director, Org. Tech Director  
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director  
LaTasha Cornish, Chemist  
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.





# Environmental Lab of Texas

## Variance / Corrective Action Report – Sample Log-In

Client: Highlander Env.

Date/Time: 03-31-06 @ 1530

Order #: 6C 31019

Initials: JMM

### Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	4,0	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	N/A	
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not present	N/A
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not present	
Chain of custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable	

Hand delivered  
By Sampler

Other observations:

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### Variance Documentation:

Contact Person: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
Regarding: \_\_\_\_\_

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Corrective Action Taken:

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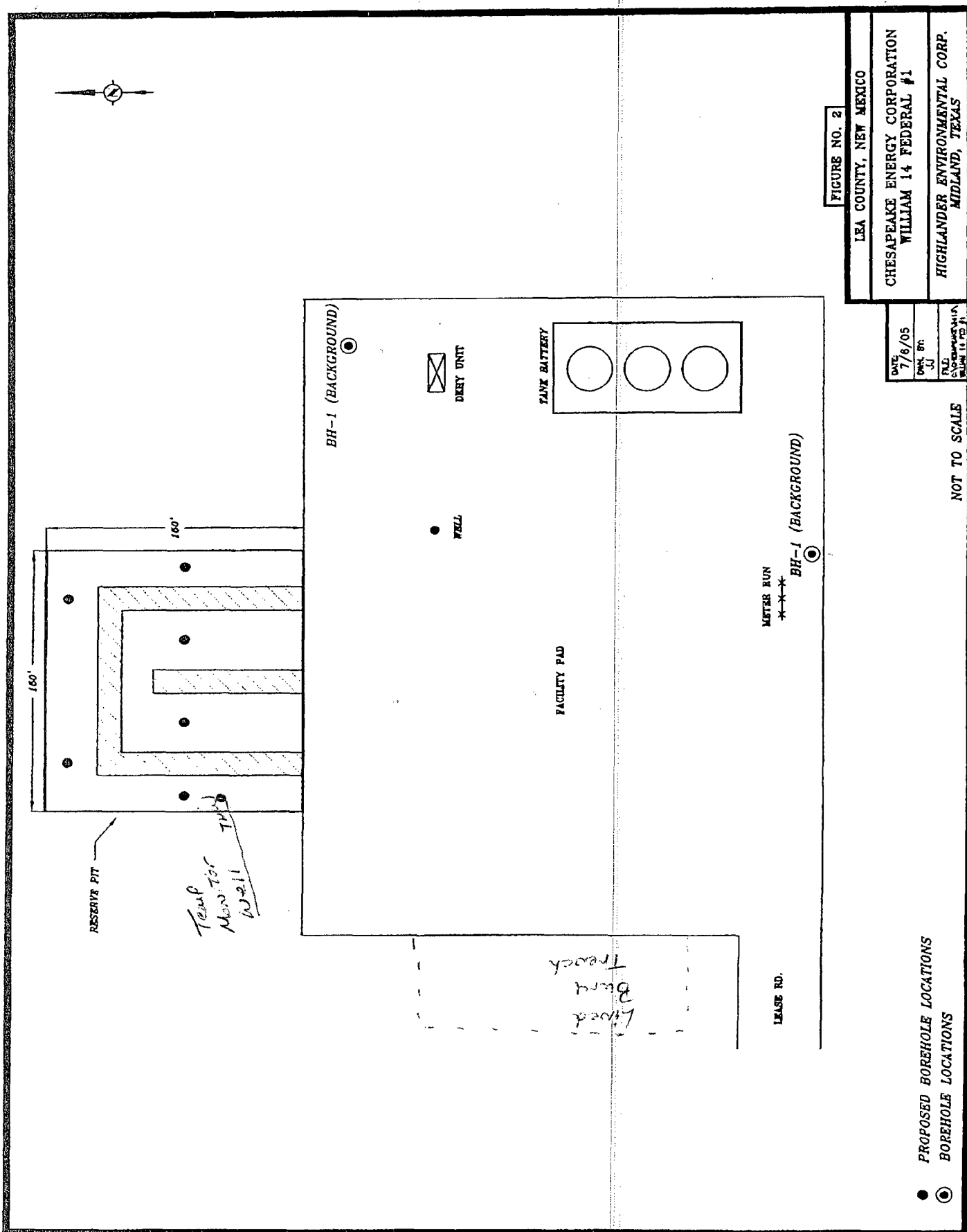


Table 2  
 Chesapeake/Williams 14 Federal #1  
 Lea County, New Mexico  
 Boreholes Soil Samples  
 Sampled on 8/10/05 and 8/11/05

Depth (ft), BPB	Chloride Analysis (mg/kg)					
	BH-1	BH-2	BH-3	BH-4	BH-5	BH-6
0-1	2260	4540	775	3430	4410	832
5-6	3360	794	336	7060	8890	841
10-11	4620	2530	524	1970	6510	429
15-16	3100	1060	451	1620	3550	113
20-21	1110	529	561	44.5	2360	14.3
25-26	1220	795	691	14.8	2090	8.76
30-31	797	603	1010	12.3	901	12.1
35-36	788	1220	2310	12.4	197	57.9
40-41	1790	1770	5010	12.1	60.2	11.1

BPB - Below Pit Bottom