# 3R - 421

# ANNUAL MONITORING REPORT

# 05/01/2009

# BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax (505)632-3903

# RECEIVED

# 2009 MAY 4 AM 9 45

May 1, 2009

Mr. Glenn von Gonten, Senior Hydrologist New Mexico Oil Conservation Division-NMOCD Environmental Bureau 1220 St. Francis Drive Santa Fe, New Mexico 87505

Re: BP America Production Company Groundwater Monitoring Report GCU # 229E, Unit I, Sec. 21, T28N, R12W, NMPM San Juan County, New Mexico

NMOCD Administrative/Environmental Order #: Not assigned

Dear Mr. von Gonten:

BP America Production Company (**BP**) has retained Blagg Engineering, Inc. (**BEI**) to conduct environmental monitoring of groundwater at the GCU # 229E.

The last formal correspondence to NMOCD was conducted with letter dated, April 25, 2008. Since then, BP has followed its NMOCD approved groundwater management plan and continues to monitor the site. No permanent closure is requested at this time.

If you have any questions concerning the enclosed documentation, please contact either myself or Jeffrey C. Blagg at (505) 632-1199. Thank you for your cooperation and assistance.

Respectfully submitted: *Blagg Engineering, Inc.* 

Then.

Nelson J. Velez Staff Geologist

Attachment: Groundwater Report (2 copies)

cc: Mr. Brandon Powell, Environmental Specialist, NMOCD District III Office, Aztec, NM Mr. Larry Schlotterback, Environmental Coordinator, BP, Farmington, NM RECEIVED : BP AMERICA PRODUCTION CO 2009 May 4 AM 9 45

# **GROUNDWATER REMEDIATION REPORT**

# GCU # 229E (I) SECTION 21, T28N, R12W, NMPM SAN JUAN COUNTY, NEW MEXICO

## PREPARED FOR: NEW MEXICO OIL CONSERVATION DIVISION 1220 ST. FRANCIS DRIVE SANTA FE, NEW MEXICO 87504

**APRIL 2009** 

PREPARED BY: BLAGG ENGINEERING, INC.

Consulting Petroleum / Reclamation Services P.O. Box 87 Bloomfield, New Mexico 87413

# BP AMERICA PRODUCTION COMPANY GCU # 229E - Blow Pit NE/4 SE/4, Sec. 21, T28N, R12W

Monitor Well Installation Dates: 11/1/06 (MW #2), 1/18/07 (MW #1, MW #3), 8/30/07 (MW #4)

Monitor Well Sampling Dates: 4/14/08, 8/28/08

# Site History:

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A site blow pit closure was initiated in August 2002. Groundwater impacts were identified from sampling and testing of MW #2 in November 2006. After receipt of the laboratory results, NMOCD was notified with a letter dated March 2, 2007 of the groundwater impacts. Documentation of this work and subsequent groundwater monitoring data for the site have previously been submitted for New Mexico Oil Conservation Division (NMOCD) review. No further remedial action was suggested within the report. The reporting herein is for site monitoring in 2008 only.

# Groundwater Monitor Well Sampling Procedures:

Monitor wells were developed by hand-bailing, using new disposable bailers after installation. Prior to sample collections, the monitor wells were purged approximately three (3) well bore volumes with new disposable bailers. The groundwater samples were collected following US EPA: SW-846 protocol, were placed into laboratory supplied containers with appropriate preservative, and stored in an ice chest for express delivery to an analytical laboratory for testing under strict chain-of-custody procedures. Analytical testing for benzene, toluene, ethylbenzene, and total xylenes (**BTEX**) by US EPA Method 8021B or 8260 was conducted.

Fluids generated during monitor well development and purging were managed by discarding into the separator below-grade tank (BGT) located on the same well pad (BP's GCU #316 well site). The BGT contents are then disposed through approved NMOCD operational procedures for removal of produced fluids.

# **Groundwater Quality & Flow Direction Information:**

MW #4 has tested with benzene fluctuations below and above the New Mexico Water Quality Control Commission (NMWQCC) standards since its installation. Ethylbenzene and total xylenes in MW #4 has increased above the NMWQCC standards since the initial testing in September 2007. A historical summary of laboratory analytical BTEX results are included within the table on the following page. Field data sheets, laboratory reports, and laboratory quality assurance/quality control information are also included.

Groundwater contour maps of relative water table elevations have been measured to flow in the north direction (Figure 2 through 3).

# Summary and/or Recommendations:

The well site is located in a very remote area of San Juan County near the Navajo Agricultural Product Industry (NAPI) area. The presence of total xylenes well above NMWQCC standards within MW #4 indicates possible long term monitoring is highly probable. It is recommended to continue monitoring of MW #4 on a bi-annual basis unless circumstances dictate otherwise as well as down gradient delineation from MW #4 by installation of at least one (1) groundwater monitor well. No additional remedial action is suggested until further review of future BTEX analyses.

Blagg Engineering, Inc. Consulting Engineers

# BP AMERICA PROD. CO. GROUNDWATER LAB RESULTS SUBMITTED BY BLAGG ENGINEERING, INC.

# GCU # 229E - BLOW PIT UNIT I, SEC. 21, T28N, R12W

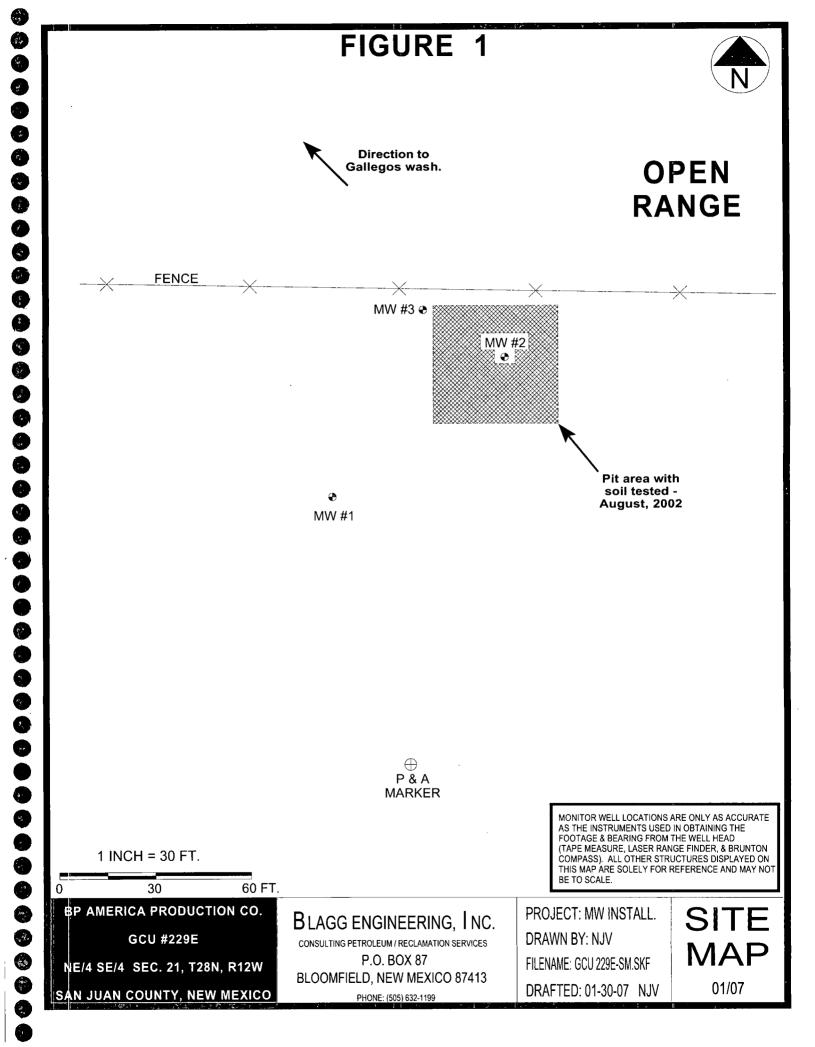
REVISED DATE: September 17, 2008 FILENAME: (229E3Q08.WK4) NJV

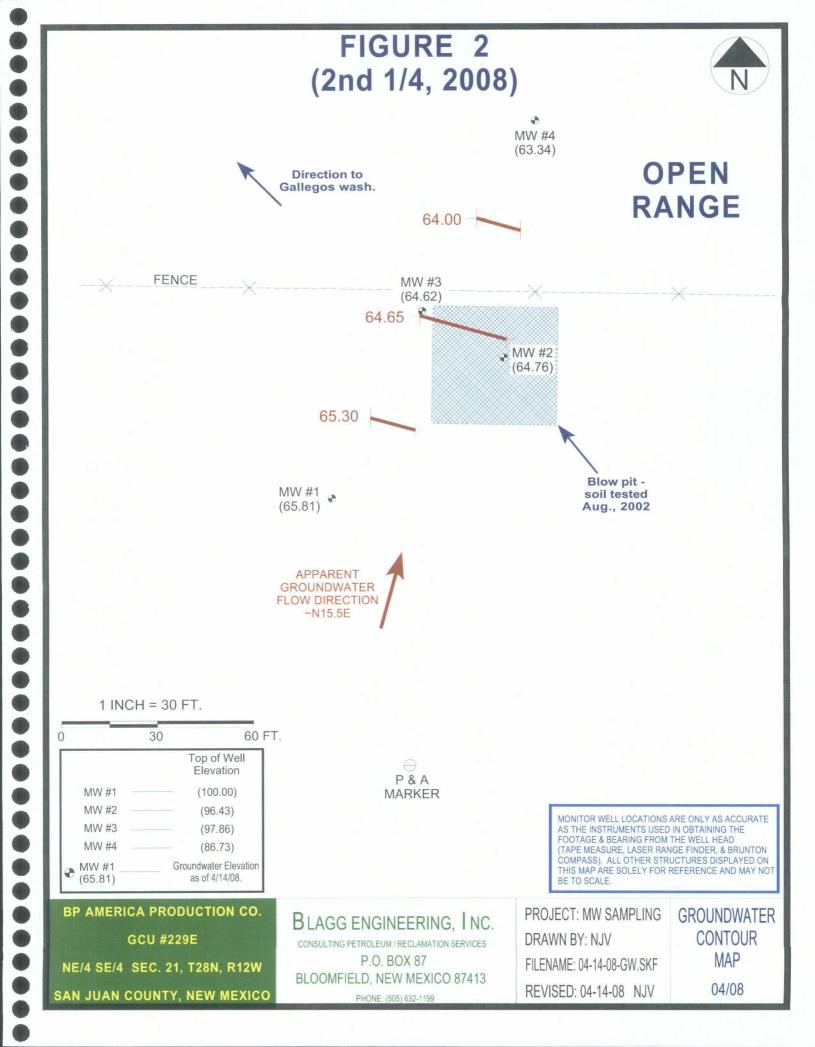
								BTEX	EPA METH	OD 8021B (	ppb)
SAMPLE DATE	WELL NAME or No.	D.T.W. (ft)	T.D. (ft)	TDS (mg/L)	COND. umhos	рН	PRODUCT	Benzene	Toluene	Ethyl Benzene	Total Xylene
 30-Jan-07	MW #1	34.11	42.00	730	1,200	7.13		ND	ND	ND	ND
14-Nov-06	MW #2	31.60	42.00	866	1,300	7.05		ND	25	110	1,800
30-Jan-07		31.63			1,200	6.96		ND	ND	7.9	200
25-Apr-07		31.76			1,200	6.92		ND	ND	1.0	140
23-Jul-07		31.78			1,200	6.87		ND	ND	4.1	130
15-Nov-07		31.73			1,500	6.97		ND	ND	5.1	170
30-Jan-07	MW #3	33.20	42.00	762	1,200	7.18		ND	ND	ND	ND
25-Apr-07		33.34			1,200	7.07		ND	ND	ND	ND
23-Jul-07		33.38			1,100	6.98		ND	ND	ND	ND
15-Nov-07		33.30			1,300	7.16		ND	ND	ND	ND
17-Sep-07	MW #4	23.58	36.88		1,300	7.06		1.2	ND	13	340
15-Nov-07		23.55			1,400	7.15		2.2	1.9	150	6,500
14-Apr-08		23.39			1,000	7.26		13.3	8.7	1,480	10,400
28-Aug-08		24.16			800	7.39		ND	ND	750	18,000
		NMW	QCC GF	ROUNDV			ARDS	10	750	750	620

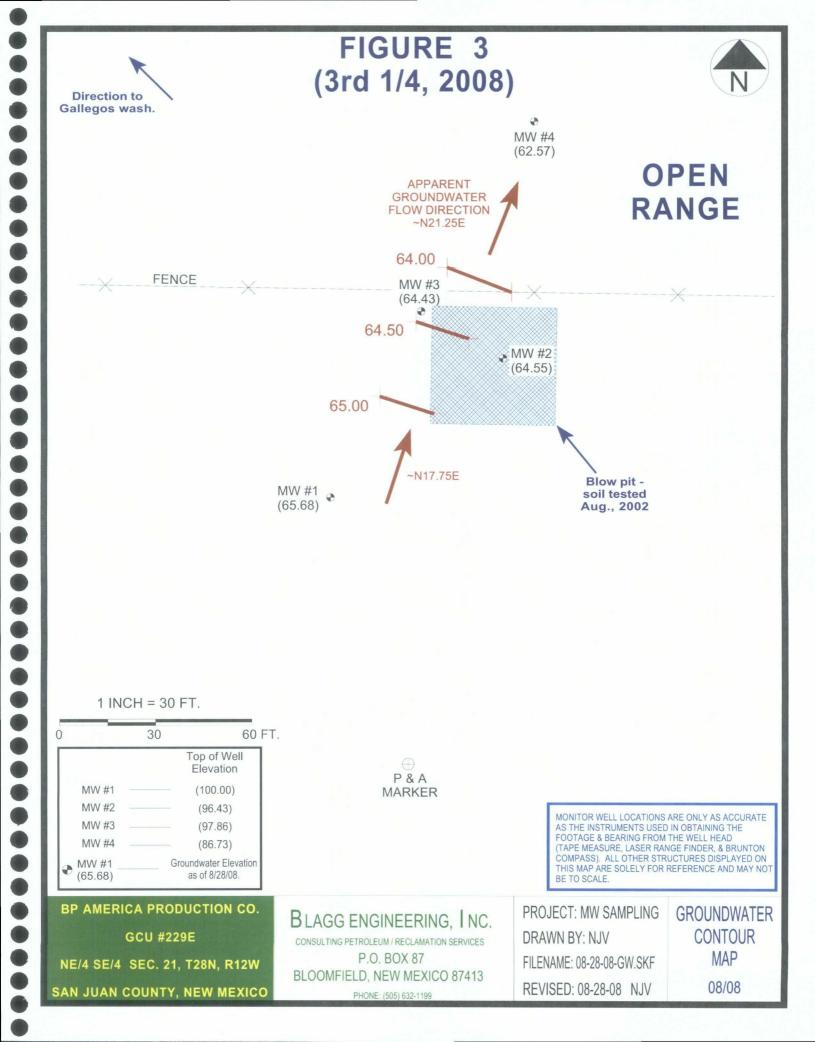
NOTES: 1) RESULTS IN BOLD RED TYPE INDICATE EXCEEDING NMWQCC STANDARDS.

2) RESULTS IN BOLD BLUE TYPE INDICATE BELOW NMWQCC STANDARDS AFTER PREVIOUS RESULTS IN BOLD RED TYPE EXCEEDED.

3) ND INDICATES NOT DETECTED AT THE REPORTING LIMITS (less than regulatory standards of at least a magnitude of 10).







# BLAGG ENGINEERING, INC.

### MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

### CLIENT: BP AMERICA PROD. CO.

CHAIN-OF-CUSTODY # : 156394

GCU # 229E - BLOW PIT

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0  LABORATORY (S) USED : PACE ANALYTICAL

NJV

UNIT I, SEC. 21, T28N, R12W

Date : April 14, 2008

Filename : 04-14-08.WK4

	SAMPLER :	 N J
PROJECT	MANAGER :	N J

Ν	J	V	

WELL #	WELL ELEV.	WATER ELEV.	DEPTH TO WATER	TOTAL DEPTH	SAMPLING TIME	рН	CONDUCT (umhos)	TEMP. (celcius)	VOLUME PURGED
	(ft)	(ft)	(ft)	(ft)					(gal.)
MW - 1	100.00	65.81	34.19	42.00	-	-	-		-
MW - 2	96.43	64.76	31.67	42.00	-	-	-	-	-
MW - 3	97.86	64.62	33.24	42.00	-	-	-	-	-
MW - 4	86.73	63.34	23.39	36.88	1518	7.26	1,000	22.8	6.50
			INSTRUME	ENT CALIE	BRATIONS =	4.01/7.00/10.00	2,800		

**DATE & TIME =** || 04/14/08 0800

NOTES : Volume of water purged from well prior to sampling; V = pi X r2 X h X 7.48 gal./ft3) X 3 (wellbores). (i.e. 2" MW r = (1/12) ft. h = 1 ft.) (i.e. 4" MW r = (2/12) ft. h = 1 ft.)

Ideally a minimum of three (3) wellbore volumes:

2.00 " well diameter = 0.49 gallons per foot of water.

Comments or note well diameter if not standard 2".

Excellent recovery in MW #4. MW #4 contained possible free phase product during development / purging process with strong hydrocarbon odor. Collected BTEX sample from MW #4 only.

Top of casing MW #1 ~ 2.40 ft., MW #2 ~ 2.60 ft., MW #3 ~ 2.50 ft., MW #4 ~ 2.25 ft. above grade.



### ANALYTICAL RESULTS

Project: GCU #229E

Pace Project No.: 6038712

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Sample: MW #4	Lab ID: 6038	712001	Collected: 04/14	/08 15:18	Received: 04	l/16/08 08:30	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Methe	od: EPA 82	260					
Benzene	13.3J ug/	L	50.0	50		04/22/08 07:12	2 71-43-2	
Ethylbenzene	1480 ug/	L	50.0	50		04/22/08 07:12	2 100-41-4	
Toluene	<b>8.7J</b> ug/	L	50.0	50		04/22/08 07:12	2 108-88-3	
Xylene (Total)	<b>10400</b> ug/	L	300	100		04/22/08 13:08	3 1330-20-7	
Dibromofluoromethane (S)	100 %		85-114	50		04/22/08 07:12	2 1868-53-7	
Toluene-d8 (S)	106 %		82-114	50		04/22/08 07:12	2037-26-5	
4-Bromofluorobenzene (S)	99 %		85-119	50		04/22/08 07:12	2 460-00-4	
1,2-Dichloroethane-d4 (S)	100 %		81-118	50		04/22/08 07:12	2 17060-07-0	
Preservation pH	1.0		1.0	50		04/22/08 07:12	2	

Date: 04/24/2008 09:44 PM

### **REPORT OF LABORATORY ANALYSIS**

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### SAMPLE SUMMARY

Projøct: Pac∌ Project No.:	GCU #229E 6038712			
Lab ID	Sample ID	Matrix	Date Collected	Date Received
6033712001	MW #4	Water	04/14/08 15:18	04/16/08 08:30

### **REPORT OF LABORATORY ANALYSIS**

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www.pacelabs.com	

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### SAMPLE ANALYTE COUNT

	38712 			
Lab ID	Sample ID	Method	Analysts	Analytes Reported
03:3712001 MW #	4	EPA 8260	AJA	9

### **REPORT OF LABORATORY ANALYSIS**

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### **PROJECT NARRATIVE**

Project: GCU #229E Pace Project No.: 6038712

<sup>F</sup>ace Analytical

www.pacelabs.com

### Method: EPA 8260

Description:8260 MSV UST, WaterClient:BP-Blagg EngineeringDate:April 24, 2008

### **Gerieral Information:**

1 sample was analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

### Hold Time:

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The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable): All criteria were within method requirements with any exceptions noted below.

### **Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

### Surrogates:

All surrogates were within QC limits with any exceptions noted below.

### Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

### Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

### QC Batch: MSV/14124

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

### **Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

### Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

### **REPORT OF LABORATORY ANALYSIS**

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### **QUALITY CONTROL DATA**

Project: GCU #229E

Pace Project No.: 6038712

QC Batch:

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MSV/14124 QC Batch Method: EPA 8260

Analysis Method: Analysis Description:

EPA 8260 8260 MSV UST-WATER

Associated Lab Samples: 6038712001

METHOD BLANK: 315205

Associated Lab Samples: 6038712001

		Blank	Reporting	
Parameter	Units	Result	Limit	Qualifiers
Benzene	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
Toluene	ug/L	ND	1.0	
Xylene (Total)	ug/L	ND	3.0	
1,2-Dichloroethane-d4 (S)	%	102	81-118	
4-Bromofluorobenzene (S)	%	98	85-119	
Dibromofluoromethane (S)	%	100	85-114	
Toluene-d8 (S)	%	100	82-114	

### LAE ORATORY CONTROL SAMPLE: 315206

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L		9.4	94	87-117	
Ethylbenzene	ug/L	10	9.5	95	84-123	
Toluene	ug/L	10	9.5	95	81-124	
Xylene (Total)	ug/L	30	29.4	98	83-125	
1,2-Dichloroethane-d4 (S)	%			101	81-118	
4-Bromofluorobenzene (S)	%			98	85-119	
Dibromofluoromethane (S)	%			100	85-114	
Toluene-d8 (S)	%			100	82-114	

Date: 04/24/2008 09:44 PM

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### QUALIFIERS

Project: GCU #229E Pace Project No.: 6038712

### DEFINITIONS

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DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

### BATCH QUALIFIERS

### Batch: MSV/14124

[1] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

### **REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:GCU #229EPace Project No.:6038712

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6038712001	MW #4	EPA 8260	MSV/14124		
	,				

Date: 04/24/2008 09:44 PM

### **REPORT OF LABORATORY ANALYSIS**

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	mple Condition Upon Recei	pt
Pace Analytical Client Name	BP BLACE	Project # (0038712
Courier: Fed Ex UPS USPS Clie Tracking #:	nt Commercial Pace Other	
Custody Seal on Cooler/Box Present: Ves	no Seals intact: Hyes	s [] no
Packing Material: 📋 Bubble Wrap	Bags 🔲 None 🗌 Other	
Thermometer Used T-168 / (7-169)	Type of Ice: (Wei) Blue None	Samples on ice, cooling process has begun
Cooler Temperature7	Biological Tissue is Frozen: Yes	contents: $300 116$
Temp should be above freezing to 6°C	Comments:	5:1511 E:1522
Chain of Custody Present:	El Yes 🗆 No 🗆 N/A 1.	
Chain of Custody Filled Out:	19Yes 10 No 10 N/A 2.	
Chain of Custody Relinquished:	21 Yes []No []N/A 3.	
Sampler Name & Signature on COC:	BYes []No []N/A 4.	
Samples Arrived within Hold Time:	Eres []No []N/A 5.	<b></b>
Short Hold Time Analysis (<72hr):	Dyes Drive DN/A 6.	
Rush Turn Around Time Requested:	Dyes DING DN/A 7.	
Sufficient Volume:	BYes DNO DN/A 8.	· · · · · · · · · · · · · · · · · · ·
Correct Containers Used:	BYes []No []N/A 9.	
-Pace Containers Used:	Bres ONO ON/A	
Containers Intact:	Pres DNo DN/A 10.	
Filtered volume received for Dissolved tests	□Yes ⊉No □N/A 11.	
Sample Labels match COC:	ØYes □No □N/A 12.	
-Includes date/time/ID/Analysis Matrix:	we	
All containers needing preservation have been checked.	Dyes DNO BINIA 13.	
All containers needing preservation are found to be in compliance with EPA recommendation.	DYes DNo BN/A	
exceptions; VOA coliform, TOC, O&G, WI-DRO (water)	Pres □No Initial when completed	Lot # of added preservative
Samples checked for dechlorination:	□Yes □No 114.	procentario
Headspace in VOA Vials ( >6mm):	□Yes ☑No □N/A 15.	
Trip Blank Present:	DYes DNo DN/A 16.	
Trip Blank Custody Seals Present	BYes DNO DN/A	
Pace Trip Blank Lot # (if purchased): 03 17 08	·	Q-
Client Notification/ Resolution:		Field Data Required? Y / N
Person Contacted:	Date/Time:	
Comments/ Resolution:		
Project Manager Review: NW 4	17/08	Date:
		e form will be cent to the Media Occuling DEUND

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Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

# BLAGG ENGINEERING, INC.

### MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

### CLIENT: BP AMERICA PROD. CO.

CHAIN-OF-CUSTODY # : \_ N / A\_\_\_

GCU # 229E - BLOW PIT

LABORATORY (S) USED : HALL ENVIRONMENTAL

UNIT I, SEC. 21, T28N, R12W

Date : August 28, 2008

*Filename* : **08-28-08.WK4** 

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SAMPLER : NJV

PROJECT MANAGER :

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WELL #	WELL ELEV.	WATER ELEV.	DEPTH TO WATER	TOTAL DEPTH	SAMPLING TIME	рН	CONDUCT (umhos)	TEMP. (celcius)	VOLUME PURGED
	(ft)	(ft)	(ft)	(ft)					(gal.)
MW - 1	100.00	65.68	34.32	42.00	-	-	-	-	-
MW - 2	96.43	64.55	31.88	42.00	-	-	-	-	-
MW - 3	97.86	64.43	33.43	42.00	-		-	-	-
MW - 4	86.73	62.57	24.16	36.88	1240	7.39	800	19.0	6.25
INSTRUMENT CALIBRATIONS =							2,800		
				DAT	E & TIME =	08/25/08	0730		

NOTES : <u>Volume of water purged from well prior to sampling</u>;  $V = pi X r^2 X h X 7.48 gal./ft3) X 3 (wellbores)$ . (i.e. 2" MW r = (1/12) ft. h = 1 ft.) (i.e. 4" MW r = (2/12) ft. h = 1 ft.)

Ideally a minimum of three (3) wellbore volumes:

2.00 " well diameter = 0.49 gallons per foot of water.

Comments or note well diameter if not standard 2 ".

Excellent recovery in MW #4. MW #4 contained possible free phase product during development / purging process with strong hydrocarbon odor. Collected BTEX sample from MW #4 only.

Top of casing MW #1 ~ 2.40 ft., MW #2 ~ 2.60 ft., MW #3 ~ 2.50 ft., MW #4 ~ 2.25 ft. above grade.

on-site	11:44	temp	80
off-site	12:57	temp	84
sky cond.	Mostly	sunny	
wind speed	0-5	direct.	southwest

# Hall Environmental Analysis Laboratory, Inc.

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Date: 15-Sep-08

Lab ID:	0808491-01	 Matrix:	AQUEOU	S
Project:	GCU #229E	Date Received:	8/29/2008	
Lab Order:	0808491	<b>Collection Date:</b>	8/28/2008	12:40:00 PM
CLIENT:	Blagg Engineering	Client Sample ID:	MW #4	

Analyses	Result	rų, v	ual Units	Dr	Date Analyzeu			
EPA METHOD 8260: VOLATILES SI	IORT LIST			• •	Analyst: BDH			
Benzene	ND	10	μg/L	10	9/11/2008 11:47:09 AM			
Toluene	ND	10	µg/L	10	9/11/2008 11:47:09 AM			
Ethylbenzene	750	100	μg/L	100	9/10/2008 2:50:41 PM			
Xylenes, Total	18000	200	μg/L	100	9/10/2008 2:50:41 PM			
Surr: 4-Bromofluorobenzene	97.5	80.4-119	%REC	100	9/10/2008 2:50:41 PM			

Qualifiers:

\* Value exceeds Maximum Contaminant Level

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# **QA/QC SUMMARY REPORT**

**Client: Blagg Engineering Project:** GCU #229E Work Order: 0808491 PQL %Rec LowLimit HighLimit %RPD RPDLimit Qual Analyte Result Units Method: EPA Method 8260: Volatiles Short List MBLK 9/10/2008 9:10:32 AM Sample ID: 5ml rb Batch ID: R30168 Analysis Date: Benzene ND µg/L 1.0 Toluene ND µg/L 1.0 ND 1.0 Ethylbenzene µg/L Xylenes, Total ND µg/L 2.0 LCS 9/10/2008 11:50:00 AM Sample ID: 100ng lcs-b Batch ID: R30168 Analysis Date: µg/L 1.0 104 86.8 120 Benzene 20.84 64.1 21.20 µg/L 106 127 Toluene 1.0 Sample ID: 100ng lcsd LCSD Batch ID: R30168 Analysis Date: 9/10/2008 11:45:58 PM Benzene 20.84 µg/L 1.0 104 86.8 120 0.00192 20

Qualifiers:

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

- Н
- Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

Hall	Environmental	Analysis	Laboratory,	Inc.
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	Sample Rec	eipt Ch	necklist			
Client Name BLAGG			Date Receive	d:	8/29/2008	
Work Order Number 0808491			Received by	: AT	11	
	$\langle \rangle$	ala		abels checked b	·	
Checklist completed by:	У	<u> </u>	108		Initials	
	· ·					
Matrix:	Carrier name UPS	2				
Shipping container/cooler in good condition?	Yes		No 🗌	Not Present		
Custody seals intact on shipping container/cooler?	Yes		No 🛄	Not Present	Not Shipped	
Custody seals intact on sample bottles?	Yes		No 🗌	N/A		
Chain of custody present?	Yes		No 🗔			
Chain of custody signed when relinquished and rece	vived? Yes	$\checkmark$	No 🗔			
Chain of custody agrees with sample labels?	Yes		No 🗌			
Samples in proper container/bottle?	Yes		No 🗌			
Sample containers intact?	Yes		No 🗔			
Sufficient sample volume for indicated test?	Yes		No 🗔			
All samples received within holding time?	Yes		No 🗌			
Water - VOA vials have zero headspace? N	o VOA vials submitted		Yes 🗌	No 🗔		
Water - Preservation labels on bottle and cap match	? Yes		No 🗌	N/A 🗹		
Water - pH acceptable upon receipt?	Yes		No 🗌	N/A 🗹		
Container/Temp Blank temperature?		2°	<6° C Acceptab			
COMMENTS:			If given sufficient	time to cool.		
Client contacted Dat	e contacted:	<u></u>	Pers	on contacted	······	
Contacted by: Reg	garding:					
Comments:						
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Corrective Action						