

**3R - 0381**

**ANNUAL  
MONITORING  
REPORT**

**04/25/2008**

32381

**BLAGG ENGINEERING, INC.**

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

April 25, 2008

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 # 170, Unit K, Sec. 35, T29N, R12W, NMPM  
San Juan County, New Mexico**

**NMOCD Administrative/Environmental Order #: 3RP-381-0**

Dear Mr. von Gonten:

BP America Production Company (**BP**) has retained Blagg Engineering, Inc. (**BEI**) to conduct environmental monitoring of groundwater at the GCU # 170.

The last formal correspondence to NMOCD was conducted with a letter dated February 15, 2006. 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.**



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 (without lab report)  
Ms. Shannon Hoover, Senior Geologist, URS Corp., Austin, Texas

3R301

**BP AMERICA PRODUCTION CO.**

**GROUNDWATER REMEDIATION REPORT**

**GCU #170  
(K) SECTION 35, T29N, R12W, NMPM  
SAN JUAN COUNTY, NEW MEXICO**

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

**APRIL 2008**

**PREPARED BY:  
BLAGG ENGINEERING, INC.  
Consulting Petroleum / Reclamation Services  
P.O. Box 87  
Bloomfield, New Mexico 87413**

**BP AMERICA PRODUCTION COMPANY**  
**GCU # 170 - Separator Pit**  
**NE/4 SW/4, Sec. 35, T29N, R12W**

**Monitor Well Sampling Dates:**                      6/29/06, 6/25/07

**Site Historic Summary:**

A site separator pit closure was initiated in March 1995 by removing impacted soil via excavation. Documentation for this work and subsequent groundwater monitoring data for the site have previously been submitted for New Mexico Oil Conservation Division (NMOCD) review. The reporting herein is for site monitoring for 2006 and 2007. Site features are depicted on Figure 1.

**Groundwater Monitor Well Sampling Procedures:**

Prior to sample collections, MW #3R was 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 included benzene, toluene, ethylbenzene, and total xylenes (BTEX) by US EPA Method 8021B.

Fluids generated during monitor well development and purging were managed by discarding into the separator tank pit located on the well site. The tank pit contents are then disposed through approved NMOCD operational procedures for removal of produced fluids.

**Groundwater Quality & Flow Direction Information:**

Annual sampling of groundwater monitor well MW #3R was conducted in June 2006 and June 2007. A historical summary of laboratory analytical results is included within the tables on the following pages and field/laboratory reports are included.

Groundwater elevations have consistently been measured with a gradient towards the northwest direction (Figures 2 and 3).

**Summary and/or Recommendations:**

Continued site monitoring per BP's NMOCD approved Ground Water Management Plan is recommended. Hydrocarbon impacts appear to be in a steady state condition with benzene as the only analyte with concentrations above the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards. No additional remedial actions are indicated or suggested at this time. Further delineation of down-gradient impacts is indicated with one (1) or more additional monitor wells proposed to address this issue.

**BP AMERICA GROUNDWATER MONITOR WELL LABORATORY RESULTS**  
**SUBMITTED BY BLAGG ENGINEERING, INC.**

**GCU # 170 - SEPARATOR PIT**  
**UNIT K, SEC. 35, T29N, R12W**

REVISED DATE: August 3, 2007

FILENAME: (17-2Q-07.WK4) NJV

SAMPLE DATE	MONITOR WELL #	D.T.W. (ft)	T.D. (ft)	TDS mg/L	COND. (umhos/cm)	pH	PRODUCT (ft)	BTEX EPA METHOD 8021B (ppb)			
								Benzene	Toluene	Ethyl Benzene	Total Xylene
28-Jun-95	MW #1	10.50	15.00		1,400	7.4		0.2	0.2	0.3	0.9
08-Sep-95		9.56			1,400	7.8		206	82.3	4.9	67.0
07-Dec-95		9.91			1,700	6.8		ND	0.37	ND	ND
08-Mar-96		10.93			1,200	6.6		ND	0.97	ND	ND
04-Jun-96		10.74			1,300	6.7		ND	ND	ND	ND
28-Jun-95	WP #2	10.45	15.00		1,600	7.4		1.9	38.3	0.2	0.8
08-Sep-95		9.35			1,300	7.4		47.1	19.8	1.2	17.6
07-Dec-95		9.45			1,600	7.2		ND	ND	ND	ND
08-Mar-96		10.24			1,700	7.0		ND	ND	ND	ND
04-Jun-96		10.00			2,100	6.9		ND	ND	ND	ND
28-Jun-95	MW #3	10.45	15.00		1,500	7.4		2115.7	4485.8	318	2704.4
08-Sep-95		9.60			1,700	7.8		1,200	815	131	661
07-Dec-95		9.80			1,800	7.0		4,830	7,680	294	2,760
08-Mar-96		10.74			1,500	6.6		5,020	6,410	105	2,603
04-Jun-96		10.57			1,600	6.6		5,140	5,560	116	2,631
24-Jun-97		10.72			1,700	6.9		1,115	542	88.2	850
08-Jun-98		10.69			1,600	7.3		921	1,020	16.1	279.4
28-May-99		10.29			1,700	7.0		69.3	78.1	3	88.7
24-May-00		10.70			1,700	7.1		1,100	770	19	410
26-Jun-01	MW #3R	10.45	19.50		2,200	7.21		160	540	76	590
31-May-02		10.45			2,600	7.18		32	17	2.3	29.6
29-May-03		10.34			1,800	6.95		75	30	4.8	38
24-Jun-04		10.30			2,300	6.92		71	26	6.4	36
27-Jun-05		10.15			2,000	7.00		80	47	6.6	53
29-Jun-06		9.91			1,900	6.92		130	39	8.3	150
25-Jun-07		9.71			2,000	6.76		270	170	27	310
26-Jun-01	MW #4	11.14	18.50		800	7.41		ND	ND	ND	ND
<b>NMWQCC GROUNDWATER STANDARDS</b>								<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>

- 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 ).

# FIGURE 1



APPROXIMATE LOCATION  
OF BLOW PIT TRENCH

MW #3R

WELL  
HEAD

ORIGINAL  
PIT  
EXCAVATION

MW #4

PROD  
TANK

FENCE

WP #2

S  
E  
P

TANK  
PIT

FENCE

WP #1

1 INCH = 25 FT.

0 25 50 FT.

MONITOR WELL LOCATIONS ARE ONLY AS ACCURATE AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE AND BEARING FROM THE WELL HEAD (BRUNTON COMPASS AND LASER RANGE FINDER). ALL OTHER STRUCTURES DISPLAYED ON THE SITE MAP ARE SOLELY FOR REFERENCE AND MAY NOT BE TO SCALE.

BP AMERICA PRODUCTION COMPANY

GCU 170

NE 1/4 SW 1/4 SEC 35, T29N, R12W

SAN JUAN COUNTY, NEW MEXICO

BLAGG ENGINEERING, INC.

CONSULTING PETROLEUM / RECLAMATION SERVICES

P.O. BOX 87

BLOOMFIELD, NEW MEXICO 87413

PHONE: (505) 632-1199

PROJECT: MW SAMPLING

DRAWN BY: NJV

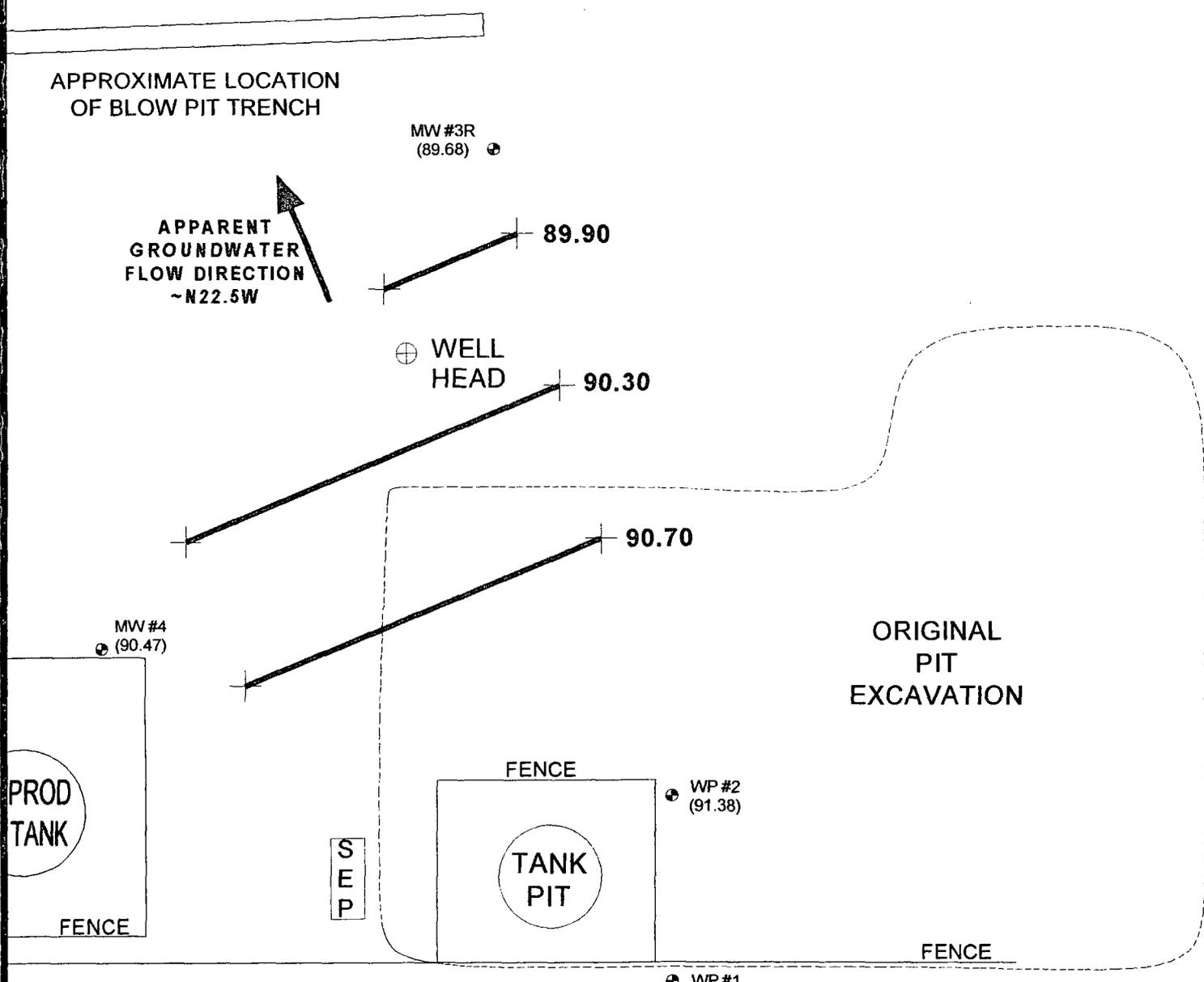
FILENAME: GCU170-SM-06-06.SKF

REVISED: 06/29/06 NJV

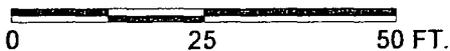
# SITE MAP

06/06

# FIGURE 2 (2nd 1/4, 2006)



1 INCH = 25 FT.



MONITOR WELL LOCATIONS ARE ONLY AS ACCURATE AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE AND BEARING FROM THE WELL HEAD (BRUNTON COMPASS AND LASER RANGE FINDER). ALL OTHER STRUCTURES DISPLAYED ON THE SITE MAP ARE SOLELY FOR REFERENCE AND MAY NOT BE TO SCALE.

	Top of Well Elevation
WP #2	(100.80)
MW #3R	(99.59)
MW #4	(101.14)
MW #4 (90.47)	Groundwater Elevation as of 6/29/06.

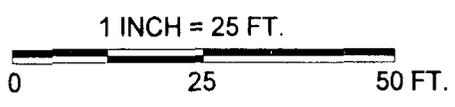
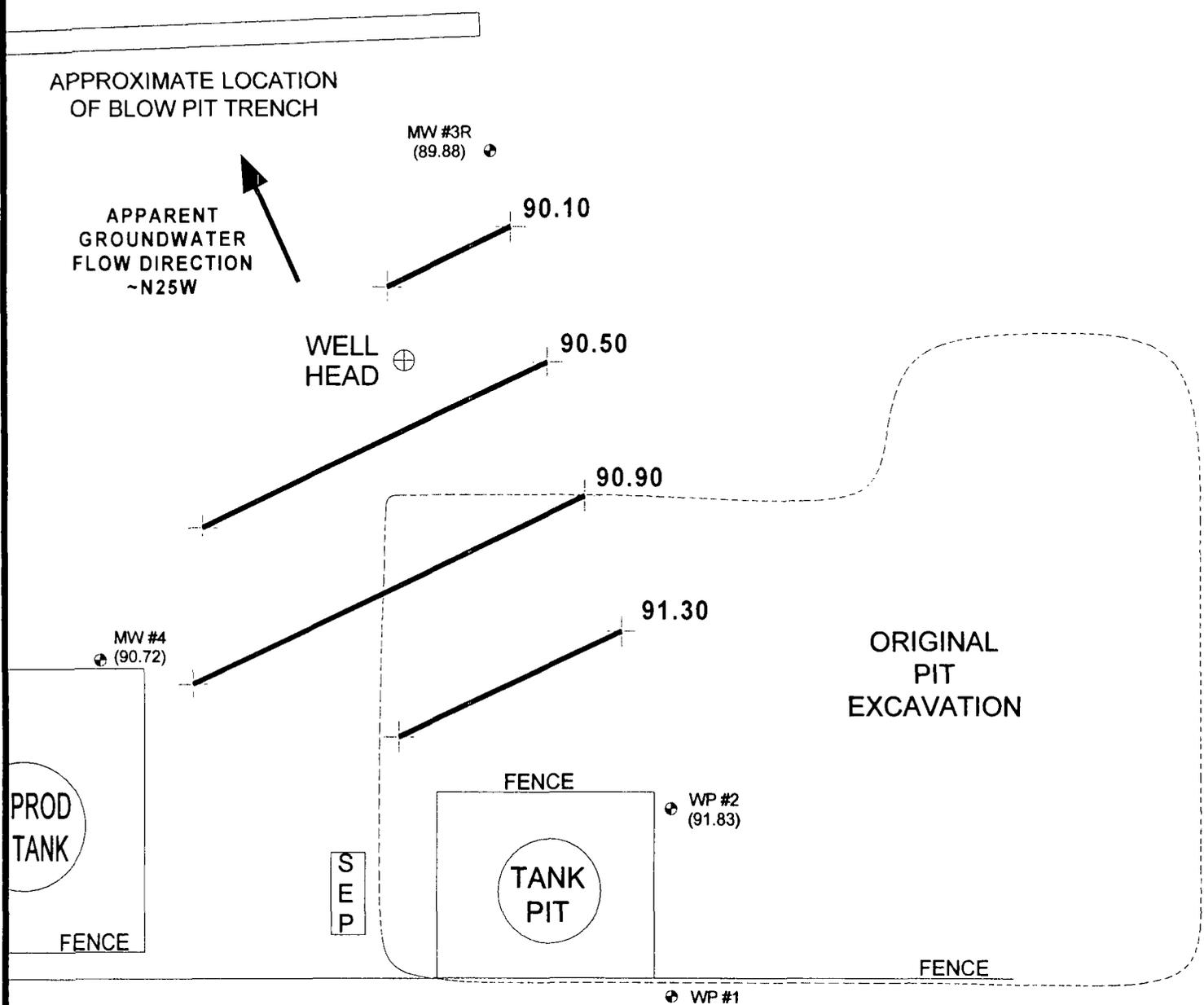
BP AMERICA PRODUCTION COMPANY  
GCU 170  
NE/4 SW/4 SEC. 35, T29N, R12W  
SAN JUAN COUNTY, NEW MEXICO

**BLAGG ENGINEERING, INC.**  
CONSULTING PETROLEUM / RECLAMATION SERVICES  
P.O. BOX 87  
BLOOMFIELD, NEW MEXICO 87413  
PHONE: (505) 632-1199

PROJECT: MW SAMPLING  
DRAWN BY: NJV  
FILENAME: 06-29-06-GW.SKF  
REVISED: 12/06/05 NJV

**GROUNDWATER  
CONTOUR  
MAP**  
06/06

**FIGURE 3**  
(2nd 1/4, 2007)



MONITOR WELL LOCATIONS ARE ONLY AS ACCURATE AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE AND BEARING FROM THE WELL HEAD (BRUNTON COMPASS AND LASER RANGE FINDER). ALL OTHER STRUCTURES DISPLAYED ON THE SITE MAP ARE SOLELY FOR REFERENCE AND MAY NOT BE TO SCALE.

	Top of Well Elevation
WP #2	(100.80)
MW #3R	(99.59)
MW #4	(101.14)
⊕ MW #4 (90.72)	Groundwater Elevation as of 6/25/07.

BP AMERICA PRODUCTION COMPANY  
GCU # 170  
NE/4 SW/4 SEC. 35, T29N, R12W  
SAN JUAN COUNTY, NEW MEXICO

BLAGG ENGINEERING, INC.  
CONSULTING PETROLEUM / RECLAMATION SERVICES  
P.O. BOX 87  
BLOOMFIELD, NEW MEXICO 87413  
PHONE: (505) 632-1199

PROJECT: MW SAMPLING  
DRAWN BY: NJV  
FILENAME: 06-25-07-GW-SKF  
REVISED: 06/25/07 NJV

**GROUNDWATER  
CONTOUR  
MAP**  
06/07

# BLAGG ENGINEERING, INC.

## MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : BP AMERICA PROD. CO.

CHAIN-OF-CUSTODY # : N / A

GCU # 170 - SEPARATOR PIT  
UNIT K, SEC. 35, T29N, R12W

LABORATORY (S) USED : HALL ENVIRONMENTAL

Date : June 29, 2006

SAMPLER : N J V

Filename : 06-29-06.WK4

PROJECT MANAGER : N J V

WELL #	WELL ELEV. (ft)	WATER ELEV. (ft)	DEPTH TO WATER (ft)	TOTAL DEPTH (ft)	SAMPLING TIME	pH	CONDUCT (umhos)	TEMP. (celcius)	VOLUME PURGED (gal.)
<b>WP-2</b>	100.80	91.38	9.42	15.00	-	-	-	-	-
<b>MW-3R</b>	99.59	89.68	9.91	19.50	1255	6.92	1,900	24.5	4.75
<b>MW-4</b>	101.14	90.47	10.67	18.50	-	-	-	-	-

INSTRUMENT CALIBRATIONS =	7.00	2,800
DATE & TIME =	06/26/06	0630

NOTES : Volume of water purged from well prior to sampling:  $V = \pi \times r^2 \times h \times 7.48 \text{ gal./ft}^3 \times 3 \text{ (wellbores)}$   
 (i.e. 2" MW  $r = (1/12) \text{ ft.}$   $h = 1 \text{ ft.}$ ) (i.e. 4" MW  $r = (2/12) \text{ ft.}$   $h = 1 \text{ ft.}$ )

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".

Poor / fair recovery in MW # 3R. Collected BTEX sample from MW # 3R only.

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Hall Environmental Analysis Laboratory, Inc.

Date: 12-Jul-06

CLIENT: Blagg Engineering  
Lab Order: 0606375  
Project: GCU #170  
Lab ID: 0606375-01

Client Sample ID: MW #3R  
Collection Date: 6/29/2006 12:55:00 PM  
Date Received: 6/30/2006  
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: NSB
Benzene	130	5.0		µg/L	5	7/11/2006 1:20:17 PM
Toluene	39	1.0		µg/L	1	7/10/2006 5:10:06 PM
Ethylbenzene	8.3	1.0		µg/L	1	7/10/2006 5:10:06 PM
Xylenes, Total	150	15		µg/L	5	7/11/2006 1:20:17 PM
Surr: 4-Bromofluorobenzene	112	72.2-125		%REC	1	7/10/2006 5:10:06 PM

Qualifiers: \* Value exceeds Maximum Contaminant Level  
E Value above quantitation range  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit



## QA/QC SUMMARY REPORT

**Client:** Blagg Engineering  
**Project:** GCU #170

**Work Order:** 0606375

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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**Method:** SW8021

**Sample ID:** 5ML RB *MBLK* **Batch ID:** R19846 **Analysis Date:** 7/10/2006 8:44:37 AM

Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	3.0						

**Sample ID:** 5ML RB *MBLK* **Batch ID:** R19868 **Analysis Date:** 7/11/2006 8:11:30 AM

Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	3.0						

**Sample ID:** 100NG BTEX LCS *LCS* **Batch ID:** R19846 **Analysis Date:** 7/10/2006 1:14:32 PM

Benzene	19.16	µg/L	1.0	95.8	85	115			
Toluene	18.37	µg/L	1.0	90.3	85	118			
Ethylbenzene	19.10	µg/L	1.0	95.5	85	116			
Xylenes, Total	59.24	µg/L	3.0	96.2	85	119			

**Sample ID:** 100NG BTEX LCS *LCS* **Batch ID:** R19868 **Analysis Date:** 7/11/2006 7:20:12 PM

Benzene	18.97	µg/L	1.0	94.8	85	115			
Toluene	17.83	µg/L	1.0	89.1	85	118			
Ethylbenzene	18.23	µg/L	1.0	91.1	85	116			
Xylenes, Total	56.77	µg/L	3.0	93.1	85	119			

**Sample ID:** 100NG BTEX LCSD *LCSD* **Batch ID:** R19846 **Analysis Date:** 7/10/2006 6:40:10 PM

Benzene	19.17	µg/L	1.0	95.9	85	115	0.0730	27	
Toluene	17.96	µg/L	1.0	88.2	85	118	2.27	19	
Ethylbenzene	18.63	µg/L	1.0	93.2	85	116	2.46	10	
Xylenes, Total	59.62	µg/L	3.0	96.8	85	119	0.643	13	

**Sample ID:** 100NG BTEX LCSD *LCSD* **Batch ID:** R19868 **Analysis Date:** 7/11/2006 7:49:12 PM

Benzene	19.72	µg/L	1.0	98.6	85	115	3.88	27	
Toluene	19.09	µg/L	1.0	95.4	85	118	6.84	19	
Ethylbenzene	19.91	µg/L	1.0	99.6	85	116	8.83	10	
Xylenes, Total	61.88	µg/L	3.0	102	85	119	8.61	13	

**Qualifiers:**

- |   |  |    |  |
|---|--|----|--|
| E | Value above quantitation range             | H  | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit                |
| R | RPD outside accepted recovery limits       | S  | Spike Recovery outside accepted recovery limits    |

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **BLAGG**

Date and Time Received:

6/30/2006

Work Order Number **0606375**

Received by **AT**

Checklist completed by

*[Handwritten Signature]*

*6/30/06*

Signature

Date

Matrix

Carrier name Greyhound

- 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 received? Yes  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? No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No  N/A

Container/Temp Blank temperature?

**6°**

*4° C ± 2 Acceptable  
If given sufficient time to cool.*

COMMENTS:

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Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

# BLAGG ENGINEERING, INC.

## MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA

CLIENT : BP AMERICA PROD. CO.

CHAIN-OF-CUSTODY # : N / A

GCU # 170 - SEPARATOR PIT  
UNIT K, SEC. 35, T29N, R12W

LABORATORY (S) USED : HALL ENVIRONMENTAL

Date : June 25, 2007

SAMPLER : N J V

Filename : 06-25-07.WK4

PROJECT MANAGER : N J V

WELL #	WELL ELEV. (ft)	WATER ELEV. (ft)	DEPTH TO WATER (ft)	TOTAL DEPTH (ft)	SAMPLING TIME	pH	CONDUCT (umhos)	TEMP. (celcius)	VOLUME PURGED (gal.)
<b>WP-2</b>	100.80	91.83	8.97	15.00	-	-	-	-	-
<b>MW-3R</b>	99.59	89.88	9.71	19.50	0815	6.76	2,000	15.8	4.75
<b>MW-4</b>	101.14	90.72	10.42	18.50	-	-	-	-	-

INSTRUMENT CALIBRATIONS =	7.00	2,800
DATE & TIME =	06/25/07	0550

NOTES : Volume of water purged from well prior to sampling:  $V = \pi \times r^2 \times h \times 7.48 \text{ gal./ft}^3 \times 3$  (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 # 3R . Collected sample from MW # 3R for BTEX analysis only .

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**Hall Environmental Analysis Laboratory, Inc.**

Date: 02-Jul-07

CLIENT: Blagg Engineering  
 Lab Order: 0706378  
 Project: GCU #170  
 Lab ID: 0706378-01

Client Sample ID: MW #3R  
 Collection Date: 6/25/2007 8:15:00 AM  
 Date Received: 6/26/2007  
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: NSB
Benzene	270	10		µg/L	10	7/1/2007 7:54:53 AM
Toluene	170	10		µg/L	10	7/1/2007 7:54:53 AM
Ethylbenzene	27	10		µg/L	10	7/1/2007 7:54:53 AM
Xylenes, Total	310	20		µg/L	10	7/1/2007 7:54:53 AM
Surr: 4-Bromofluorobenzene	88.2	70.2-105		%REC	10	7/1/2007 7:54:53 AM

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



## QA/QC SUMMARY REPORT

**Client:** Blagg Engineering  
**Project:** GCU #170

**Work Order:** 0706378

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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**Method:** SW8021

**Sample ID:** 5ML REAGENT BLA *MBLK* **Batch ID:** R24198 **Analysis Date:** 6/30/2007 6:59:05 PM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	2.0

**Sample ID:** 100NG BTEX LCS *LCS* **Batch ID:** R24198 **Analysis Date:** 6/30/2007 11:44:25 PM

Benzene	19.42	µg/L	1.0	97.1	85.9	113
Toluene	19.80	µg/L	1.0	99.0	86.4	113
Ethylbenzene	20.03	µg/L	1.0	100	83.5	118
Xylenes, Total	59.67	µg/L	2.0	99.4	83.4	122

**Qualifiers:**

- |  |  |
|--|--|
| E Value above quantitation range             | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit               |
| R RPD outside accepted recovery limits       | S Spike recovery outside accepted recovery limits    |

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name BLAGG

Date and Time Received:

6/26/2007

Work Order Number 0706378

Received by ARS

Checklist completed by

Signature



6/26/07  
Date

Matrix

Carrier name UPS

- 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 received? Yes  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? Yes  No
- No 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?

8°

*4° C ± 2 Acceptable*

*If given sufficient time to cool.*

COMMENTS:

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_