2R -

REPORTS DATE:

MAR. 2006



2006 MAR 13 PM 12 04

March 8, 2006

Mr. Ed Martin New Mexico Oil Conservation Division Environmental Bureau 1220 South St. Francis Drive Santa Fe, New Mexico 87505

2R-53

Re: Plains All American – Annual Monitoring Report 1 Site in Eddy County, New Mexico

Dear Mr. Martin:

Plains All American is an operator of crude oil pipelines and terminal facilities in the state of New Mexico. Plains All American actively monitors certain historical release sites exhibiting groundwater impacts, consistent with assessments and work plans developed in consultation with the New Mexico Oil Conservation Division (NMOCD). In accordance with the rules and regulations of the NMOCD, Plains All American hereby submits our Annual Monitoring report for the following site:

Ballard Grayburg 5"

Section 10, Township 18 South, Range 29 East, Eddy County

Basin prepared this document and has vouched for its accuracy and completeness, and on behalf of Plains All American, I have personally reviewed the document and interviewed Basin in order to verify the accuracy and completeness of this document. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Report for the above facility.

If you have any questions or require further information, please contact me at (505) 441-0965.

Sincerely,

amille Keynolds

Camille Reynolds Remediation Coordinator Plains All American

CC: Mike Bratcher, NMOCD, Artesia, NM

Enclosures

Basin Environmental Service Technologies, LLC

P. O. Box 301 Lovington, New Mexico 88260 kdutton@basimenv.com Office: (505) 396-2378

Fax: (505) 396-1429

ß **Effective Solutions**

2005 ANNUAL MONITORING REPORT

BALLARD-GRAYBURG 5" GATHERING SW ¼ SW ¼ SECTION 10, TOWNSHIP 18 SOUTH, RANGE 29 EAST LATITUDE 32°, 45', 27.1" NORTH, LONGITUDE 104°, 04', 12.0" WEST ENTIRE REPORT IS ON THE LODRIVE **EDDY COUNTY, NEW MEXICO** PLAINS EMS NUMBER: 2004-00192

PREPARED FOR:

PLAINS MARKETING, L.P. 333 CLAY STEET, SUITE 1600 HOUSTON, TEXAS 77002

PREPARED BY:

BASIN ENVIRONMENTAL SERVICE TECHNOLGIES, LLC P. O. Box 301 Lovington, New Mexico 88260

March 2006

Pn

Ken Dutton **Project Manager**

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FIGURES Figure 1 – Site Location Map

Figure 2A – Inferred Groundwater Elevation Map – 29 March 2005 Figure 2B – Inferred Groundwater Elevation Map – 26 May 2005 Figure 2C – Inferred Groundwater Elevation Map – 11 August 2005 Figure 2D – Inferred Groundwater Elevation Map – 27 December 2005

Figure 3A – Groundwater Concentration and Inferred PSH Extent Map – 29 March 2005 Figure 3B – Groundwater Concentration and Inferred PSH Extent Map – 26 May 2005 Figure 3C – Groundwater Concentration and Inferred PSH Extent Map – 11 August 2005 Figure 3D – Groundwater Concentration and Inferred PSH Extent Map – 27 December 2005

TABLES Table 1 – Groundwater Elevation Data (2005) Table 2 – Concentrations of Benzene and BTEX in Groundwater (2005)

APPENDICES Appendix A – Laboratory Reports Appendix B - Release Notification and Corrective Action (Form C-141)

INTRODUCTION

Basin Environmental Service Technologies, LLC, (Basin) on behalf of Plains Marketing, L.P., (Plains), prepared this annual report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an annual report by April 1 of each year. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. This report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2005 only. Additional site activities and remedial work is summarized in several letters and reports previously submitted to the NMOCD. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during the four (4) consecutive quarters of 2005 to assess the levels and extent of dissolved phase constituents and presence of phase-separated hydrocarbons (PSH) constituents. The groundwater monitoring event consisted of measuring static water levels in the monitoring wells, checking for the presence of PSH atop the water column, and purging and sampling of each well exhibiting sufficient recharge. Monitoring or recovery wells containing a thickness of PSH greater than 0.01 foot were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the site is SW ¼ SW ¼ Section 10, Township 18 South, Range 29 East. The site latitude is 32°, 45', 27.1" North and the site longitude is 104°, 04', 12.0" West. On 02 September 2004, Allstate Environmental Services, LLC (Allstate) responded to the pipeline release on behalf of Plains to repair the pipeline and excavate the impacted soil. Beginning on 18 October 2004, Basin assumed project responsibilities for the Ballard Grayburg 5" site. The site is characterized by a right-of-way for the pipeline in a pasture utilized for cattle grazing. The initial visibly surface stained area includes the release point covering an area approximately 22 feet long by 23 feet wide and approximately 14 feet below ground surface (bgs). Subsequent excavation activities covered an area approximately 225 feet long by 60 feet wide and 10 to 18 feet (bgs), respectively. All excavated soil was placed on a poly-liner for future remedial action. Approximately 80 barrels of crude oil were released from the Plains Pipeline and 0 barrels were recovered.

Currently, there are two (2) monitoring wells (MW-2 and MW-3) and one (1) recovery well (RW-1) on site. Two (2) attempts to install an up gradient monitoring well proved futile due to drilling into subsurface limestone caverns. A hydrocarbon absorbent sock was installed in the recovery well to absorb the limited amount of crude oil on the groundwater and is replaced on a monthly basis. Recovery Well (RW-1) is located approximately twenty-one (21) feet to the southwest of a plugged and abandoned Yates Petroleum Company wellhead and caliche pad with abundant surface asphaltenes and historical impacted soils. The drilling pit, which is still displaying signs of distressed vegetation growth; utilized for the initial drilling activities, is located approximately 60 feet to the northwest of RW-1.

FIELD ACTIVITIES

The site monitoring wells were gauged and sampled on 29 March 2005, 26 May 2005, 11 August 2005 and 27 December 2005. During the groundwater sampling events, the monitoring wells, designated to be sampled, were purged of approximately 3 well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos Pump. Groundwater was allowed to recharge and samples were obtained using disposable Teflon bailers. Water samples were stored in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in polystyrene fifty-five gallon drums which remain on-site.

Locations of the monitoring wells, recovery well and the inferred groundwater elevations, which were constructed from the measurements collected during the quarterly groundwater monitoring events, are depicted on Figure 2, Inferred Groundwater Elevation Map. The groundwater elevation data are provided as Table 1. Research of the New Mexico State Engineers Office reflected a general south to southwest groundwater gradient in this area of Eddy County, New Mexico. The depth to groundwater, as measured from the top of the well casing, was 186.59 feet.

A measurable thickness of PSH was detected in RW-1 during the reporting period, refer to Figure 3, Groundwater Concentration and Inferred PSH Extent Map. A maximum thickness of 0.04 in RW-1 was measured and is shown on Table 1. A hydrocarbon absorbent sock was installed in the recovery well and is replaced on a monthly basis. Approximately five (5) gallons of PSH was recovered from the site during the reporting period, with seven (7) gallons of PSH recovered from the site since project inception.

LABORATORY RESULTS

Groundwater samples were collected from the monitor wells MW-2 and MW-3 during the quarterly monitoring events and were delivered to Environmental Laboratory of Texas, Odessa, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) constituent concentrations by EPA Method SW846-8021b. A listing of BTEX constituent concentrations for 2005 is summarized in Table 2 and the laboratory reports are provided as Appendix A. Recovery well, RW-1, was not sampled due to the presence of measurable PSH.

Laboratory results for the two (2) site groundwater samples, obtained during the 2005 annual period, indicate that benzene and total BTEX constituent concentrations for monitoring well MW-2 were below applicable NMOCD regulatory standards. Laboratory results indicate monitoring well MW-3 benzene and total BTEX constituent concentrations were below NMOCD regulatory standards for the 3rd quarter groundwater sampling event (11 August 2005). Furthermore, monitoring well MW-3 displayed benzene constituent concentrations slightly above NMOCD regulatory standards (ranging from 0.014 mg/L to 0.054 mg/L) for the 1st, 2nd, and 4th quarter groundwater sampling events (29 March 2005, 11 August 2005 and 27 December

2005) and below NMOCD regulatory standards for total BTEX constituent concentrations for the three groundwater sampling events.

Laboratory analytical results were compared to NMOCD regulatory limits based on the New Mexico groundwater standards found in section 20.6.2.3103 of the New Mexico Administrative Code.

SUMMARY

This report presents the results of groundwater monitoring activities for the 2005 annual monitoring period. Currently, there are two (2) groundwater monitoring wells (MW-1 and MW-2) and one (1) recovery well (RW-1) on-site. During 2005, hydrocarbon absorbent socks were installed in RW-1 for passive product recovery. A measurable thickness of PSH was detected in RW-1 during the quarterly sampling events. A maximum thickness of 0.04 in RW-1 was measured and is shown on Table 1.

Laboratory results for the two (2) site groundwater samples, obtained during the 2005 annual period, indicate that benzene and total BTEX constituent concentrations for monitoring well MW-2 were below applicable NMOCD regulatory standards. Laboratory results indicate monitoring well MW-3 benzene and total BTEX constituent concentrations were below NMOCD regulatory standards for the 3rd quarter groundwater sampling event and slightly above NMOCD regulatory standards for the 1st, 2nd, and 4th quarter groundwater sampling events and below NMOCD regulatory standards for total BTEX constituent concentrations for the three groundwater sampling events.

Based on the limited data, groundwater elevations at the site are relatively similar and groundwater gradient appears to be to the south. Research of the New Mexico State Engineers Office reflected a general south to southwest groundwater gradient.

As previously mentioned, several unsuccessful attempts were made to install an up gradient monitoring well. Based on the location of the recovery well RW-1 adjacent to the source area, the limited amount of PSH on the groundwater, the fact that the two (2) attempted up gradient monitor wells did not encounter impacted soils to their respective total depths, and the two (2) down gradient monitor wells did not indicate soil impacts, it appears the groundwater impacted area is very limited in extent and an up gradient monitor well is not warranted at this site.

ANTICIPATED ACTIONS

Groundwater monitoring and annual reporting will continue in 2006. An amended Remediation Work Plan was submitted to NMOCD and approved with stipulations of collecting confirmation soil samples from the walls and floor of the excavation. The required soil sampling was accomplished and furnished to NMOCD, Santa Fe. Once approval of the approved amended Remediation Work Plan is received, further remedial activities will be accomplished. A soil remediation/closure report will be prepared and submitted to the NMOCD upon completion of the proposed remedial activities.

LIMITATIONS

Basin has prepared this Annual Monitoring Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

Basin has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Basin has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Basin has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin and/or Plains.

DISTRIBUTION

| Copy 1: | Ed Martin |
|-----------|--|
| | New Mexico Energy, Minerals and Natural Resources Department |
| | Oil Conservation Division |
| | 1220 South St. Francis Drive |
| | Santa Fe. New Mexico 87505 |
| | Ed.martin@state.nm.us |
| | |
| Copy 2: | Mike Bratcher |
| 10 | New Mexico Oil Conservation Division, District II |
| | 1301 W. Grand Avenue |
| | Artesia, New Mexico 88210 |
| | Mike.bratcher@state.nm.us |
| | |
| Copy 3: | Jeff Dann |
| | Plains Marketing, L.P. |
| | 333 Clay Street |
| | Suite 1600 |
| | Houston, Texas 77002 |
| | jpdann@paalp.com |
| | |
| Copy 4: | Camille Reynolds |
| | Plains Marketing, L.P. |
| | 3112 Highway 82 |
| | Lovington, New Mexico 88260 |
| | <u>cjreynolds@paalp.com</u> |
| | |
| | |
| Copy 5: | Basin Environmental Service Technologies, LLC |
| | P. O. Box 301 |
| | Lovington, New Mexico 88260 |
| | kdutton@basinenv.com |
| | |
| <u> </u> | 1 |
| Copy Numb | er: |

FIGURES

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FIGURE 1

SITE LOCATION MAP



FIGURE 2A, 2B, 2C, 2D

INFERRED GROUNDWATER ELEVATION MAPS









FIGURE 3A, 3B, 3C, 3D

GROUNDWATER CONCENTRATION AND INFERRED PSH EXTENT MAPS

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GROUNDWATER ELEVATION DATA (2005)

GROUNDWATER ELEVATION DATA (2005)

PLAINS MARKETING, L.P. BALLARD-GRAYBURG 5" EDDY COUNTY, NEW MEXICO PLAINS EMS NO. 2004-00192

| WELL | DATE MEASURED | CASING WELL ELEVATION | DEPTH TO PRODUCT | DEPTH TO WATER | PSH THICKNESS | CORRECTED GROUNDWATER ELEVATION |
|--------|---------------|--------------------------|---------------------|-------------------|------------------|---------------------------------------|
| MW - 2 | 11/10/04 | 3,497.90 | | 186.58 | 0.00 | 3,311.32 |
| | 03/29/05 | 3,497.90 | | 186.58 | 0.00 | 3,311.32 |
| | 05/26/05 | 3,497.90 | 1 | 186.58 | 0.00 | 3,311.32 |
| | 08/11/05 | 3,497.90 | - | 186.57 | 0.00 | 3,311.33 |
| | 12/27/05 | 3,497.90 | 1 | 186.58 | 0.00 | 3,311.32 |
| | | | | | | |
| MW - 3 | 11/10/04 | 3,497.91 | - | 186.59 | 0.00 | 3,311.32 |
| | 03/29/05 | 3,497.91 | • | 186.59 | 0.00 | 3,311.32 |
| | 05/26/05 | 3,497.91 | | 186.58 | 0.00 | 3,311.33 |
| | 08/11/05 | 3,497.91 | r | 186.58 | 0.00 | 3,311.33 |
| | 12/27/05 | 3,497.91 | • | 186.59 | 0.00 | 3,311.32 |
| | | | | | | |
| RW-1 | 11/10/04 | 3,497.94 | 186.56 | 186.60 | 0.04 | 3,311.37 |
| | 03/29/05 | 3,497.94 | 186.56 | 186.60 | 0.04 | 3,311.37 |
| | 05/26/05 | 3,497.94 | 186.57 | 186.60 | 0.03 | 3,311.37 |
| | 08/11/05 | 3,497.94 | 186.57 | 186.60 | 0.03 | 3,311.37 |
| | 12/27/05 | 3,497.94 | 186.56 | 186.58 | 0.02 | 3,311.38 |
| | | | | | | |

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CONCENTRATIONS OF BENZENE AND BTEX IN GROUNDWATER (2005)

CONCENTRATIONS OF BENZENE AND BTEX IN GROUNDWATER (2005)

PLAINS MARKETING, L.P. BALLARD-GRAYBURG 5" EDDY COUNTY, NEW MEXICO PLAINS EMS NO: 2004-00192

| SAMPLE LOCATION | SAMPLE | | MET | HODS: EP/ | \ SW 846-8021B | |
|--------------------|----------|---------|---------|-------------------|-----------------------|-----------|
| | DATE | BENZENE | TOLUENE | ETHYL- DENZENE | M,P- VVI ENES | O-XYLENES |
| | | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) |
| NMOCD REGULATORY S | TANDARD | 0.01 | 0.75 | 0.75 | TOTAL XYLEN | ES 0.62 |
| MW-2 | 12/04/04 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| MW-2 | 03/29/05 | 0.006 | 0.001 | <0.001 | <0.001 | <0.001 |
| MW-2 | 05/26/05 | 0.002 | 0.001 | <0.001 | <0.001 | <0.001 |
| MW-2 | 08/11/05 | 0.001 | 0.001 | <0.001 | <0.001 | <0.001 |
| MW-2 | 12/27/05 | 0.008 | 0.003 | <0.001 | <0.001 | <0.001 |
| | | | | | | |
| MW-3 | 12/04/04 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| MW-3 | 03/29/06 | 0.054 | 0.004 | <0.001 | <0.001 | <0.001 |
| MW-3 | 05/26/05 | 0.014 | 0.003 | <0.001 | <0.001 | <0.001 |
| MW-3 | 08/11/05 | 0.002 | <0.001 | <0.001 | <0.001 | <0.001 |
| MW-3 | 12/27/05 | 0.024 | 0.002 | <0.001 | <0.001 | <0.001 |
| | | | | | | |
| | | | | | | |

APPENDICES

APPENDIX A

ENVIRONMENTAL LABORATORY OF TEXAS ANALYTICAL RESULTS

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Analytical Report

Prepared for:

Camille Reynolds Plains All American EH & S 1301 S. County Road 1150 Midland, TX 79706-4476

Project: Ballard- Grayburg 5inch Project Number: EMS: 2004-00192 Location: Eddy County, NM

Lab Order Number: 5C30017

Report Date: 04/05/05

| Plains All American EH & S | Project: Ballard- Grayburg 5inch | Fax: (432) 687-4914 |
|----------------------------|-----------------------------------|---------------------|
| 1301 S. County Road 1150 | Project Number: EMS: 2004-00192 | Reported: |
| Midland TX, 79706-4476 | Project Manager: Camille Reynolds | 04/05/05 10:19 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW-2 | 5C30017-01 | Water | 03/29/05 12:30 | 03/30/05 15:53 |
| MW-3 | 5C30017-02 | Water | 03/29/05 16:30 | 03/30/05 15:53 |

| Plains All American EH & S | Project: | Ballard- Grayburg 5inch | Fax: (432) 687-4914 |
|----------------------------|------------------|-------------------------|---------------------|
| 1301 S. County Road 1150 | Project Number: | EMS: 2004-00192 | Reported: |
| Midland TX, 79706-4476 | Project Manager: | Camille Reynolds | 04/05/05 10:19 |

Organics by GC

Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|--------------|--------------------|-------|----------|---------|----------|----------|-----------|-------|
| MW-2 (5C30017-01) Water | | | | | | | | ······ | |
| Benzene | 0.00672 | 0.00100 | mg/L | 1 | ED50404 | 04/01/05 | 04/02/05 | EPA 8021B | |
| Toluene | 0.00182 | 0.00100 | n | " | ** | ** | н | n | |
| Ethylbenzene | ND | 0.00100 | 11 | " | " | n | 11 | | |
| Xylene (p/m) | ND | 0.00100 | n | ** | n | " | н | | |
| Xylene (o) | ND | 0.00100 | " | | 11 | n | | n | |
| Surrogate: a,a,a-Trifluorotoluene | | 130 % | 80- | 120 | " | " | " | " | S-04 |
| Surrogate: 4-Bromofluorobenzene | | 83.5 % | 80- | 120 | " | " | " | " | |
| MW-3 (5C30017-02) Water | | | | | | | | | |
| Benzene | 0.0547 | 0.00100 | mg/L | 1 | ED50404 | 04/01/05 | 04/02/05 | EPA 8021B | |
| Toluene | 0.00412 | 0.00100 | n | | " | н | " | * | |
| Ethylbenzene | I [0.000547] | 0.00100 | " | | " | | * | " | J |
| Xylene (p/m) | l [0.000830] | 0.00100 | " | u | 11 | " | ** | " | J |
| Xylene (0) | I [0.000692] | 0.00100 | " | | | н | " | n | J |

80-120

80-120

535 %

87.0 %

Surrogate: a,a,a-Trifluorotoluene Surrogate: 4-Bromofluorobenzene

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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.

,,

S-04

| Plains All American EH & S 1301 S. County Road 1150 | | Pr Project Nu | oject: Ba mber: EN | llard- Graybu AS: 2004-001 | rg 5inch 92 | | | | Fax: (432) | 687-4914 |
|--|--------|---------------------------------------|-----------------------|-------------------------------|------------------|------------------|----------------|-----|------------|----------|
| Midland TX, 79706-4476 | | Project Mar | nager: Ca | mille Reynol | ds | | | | 04/05/0 | 5 10:19 |
| | | | | | | | | | | |
| | O | rganics by Environm | GC - (ontol I | Juality Co ab of Ter | ontrol | | | | | |
| | | | | | Na 5 | | | | | |
| Analyte | Result | Reporting Limit | Units | Level | Source Result | %REC | %REC Limits | RPD | Limit | Notes |
| Batch ED50404 - EPA 5030C (GC) | | | | | | | | | | |
| Blank (ED50404-BLK1) | | | | Prepared & | Analyzed: | 04/01/05 | | | | |
| enzene | ND | 0.00100 | mg/L | | | | | | | |
| oluene | ND | 0.00100 | ** | | | | | | | |
| thylbenzene | ND | 0.00100 | " | | | | | | | |
| Sylene (p/m) | ND | 0.00100 | | | | | | | | |
| Sylene (0) | ND | 0.00100 | | | | | | | | |
| urrogate: a,a,a-Trifluorotoluene | 21.6 | | ug/l | 20.0 | | 108 | 80-120 | | | |
| urrogate: 4-Bromofluorobenzene | 18.5 | | " | 20.0 | | 92.5 | 80-120 | | | |
| .CS (ED50404-BS1) | | | | Prepared & | Analyzed: | 04/01/05 | · | | | |
| lenzene | 96.6 | | ug/l | 100 | | 96.6 | 80-120 | | | |
| oluene | 96.1 | | | 100 | | 96.1 | 80-120 | | | |
| thylbenzene | 95.2 | | | 100 | | 95.2 | 80-120 | | | |
| (ylene (p/m) | 195 | | " | 200 | | 97.5 | 80-120 | | | |
| (ylene (o) . | 93.5 | | u, | 100 | | 93.5 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 21.5 | | " | 20.0 | | 108 | 80-120 | | | |
| urrogate: 4-Bromofluorobenzene | 17.5 | | " | 20.0 | | 87.5 | 80-120 | | | |
| Calibration Check (ED50404-CCV1) | | | | Prepared: 0 |)4/01/05 A | nalyzed: 04 | /02/05 | | | |
| Benzene | 95.2 | | ug/i | 100 | | 95.2 | 80-120 | | | |
| oluene | 95.1 | | " | 100 | | 95.1 | 80-120 | | | |
| thylbenzene | 96.9 | | " | 100 | | 96. 9 | 80-120 | | | |
| (ylene (p/m) | 193 | | | 200 | | 96.5 | 80-120 | | | |
| (o) | 95.6 | | " | 100 | | 95.6 | 80-120 | | | |
| urrogate: a,a,a-Trifluorotoluene | 21.7 | · · · · · · · · · · · · · · · · · · · | " | 20.0 | | 108 | 80-120 | | | |
| urrogate: 4-Bromofluorobenzene | 20.7 | | " | 20.0 | | 104 | 80-120 | | | |
| fatrix Spike (ED50404-MS1) | Sou | rce: 5C28003- | 07 | Prepared: 0 | 04/01/05 A | nalyzed: 04 | /04/05 | | | |
| Benzene | 93.8 | | ug/l | 100 | ND | 93.8 | 80-120 | | | |
| oluene | 95.1 | | ** | 100 | ND | 95.1 | 80-120 | | | |
| thylbenzene | 102 | | * | 100 | ND | 102 | 80-120 | | | |
| (ylene (p/m) | 204 | | " | 200 | ND | 102 | 80-120 | | | |
| Lylene (o) | 99.7 | | " | 100 | ND | 99.7 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 23.9 | | " | 20.0 | | 120 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 19.9 | | " | 20.0 | | 99.5 | 80-120 | | | |

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.

| Plains All American EH & S |
|----------------------------|
| 1301 S. County Road 1150 |
| Midland TX, 79706-4476 |

Project: Ballard- Grayburg 5inch Project Number: EMS: 2004-00192 Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:

04/05/05 10:19

Organics by GC - Quality Control

Environmental Lab of Texas

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch ED50404 - EPA 5030C (GC)

| Matrix Spike Dup (ED50404-MSD1) | Source: 50 | C28003-07 | Prepared: 0 | 4/01/05 A | nalyzed: 04 | 4/04/05 | | | |
|-----------------------------------|------------|-----------|-------------|-----------|-------------|---------|------|----|--|
| Benzene | 91.9 | ug/l | 100 | ND | 91.9 | 80-120 | 2.05 | 20 | |
| Toluene | 93.5 | | 100 | ND | 93.5 | 80-120 | 1.70 | 20 | |
| Ethylbenzene | 93.0 | | 100 | ND | 93.0 | 80-120 | 9.23 | 20 | |
| Xylene (p/m) | 189 | п | 200 | ND | 94.5 | 80-120 | 7.63 | 20 | |
| Xylene (0) | 93.6 | ** | 100 | ND | 93.6 | 80-120 | 6.31 | 20 | |
| Surrogate: a,a,a-Trifluorotoluene | 22.0 | " | 20.0 | | 110 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 16.3 | " | 20.0 | | 81.5 | 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.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S 1301 S. County Road 1150 Midland TX, 79706-4476 Fax: (432) 687-4914

Reported: 04/05/05 10:19

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

- Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported

J

- 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:

Raland K Just

Date:

4/5/2005

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director James L. Hawkins, Chemist/Geologist 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

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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Environmental Lab of Texas Variance / Corrective Action Report - Sample Log-In

| Client: | ASIN ENV. |
|------------|--------------|
| Pate/Time: | 3/30/05 4:00 |
| Order #: | 5630017 |
| Initials: | · CK |

Sample Receipt Checklist

| Temperature of container/cooler? | I Yes ! | Na | 85 CI |
|---|----------|--------|--|
| Shipping container/cocier in good condition? | (Res)! | No I | (|
| Custody Seals intact on shipping container/cooler? | 1 CESI | No . I | Not present |
| Custody Seals intact on sample bottles? | i Fes | Na I | Not present |
| Chain of custody present? | 10736 | No I | } |
| Samcle Instructions complete on Chain of Custody? | 1 (33) | No 1 | į |
| Chain of Custody signed when relinquished and received? | i ced i | No 1 | |
| Chain of custody agrees with sample lacel(s) | 1 (23) 1 | No I | l l |
| Container labels legible and intact? | 1 YES | No | 4 |
| Sample Matrix and procerties same as on chain of custody? | 17551 | Na I | 1 1 |
| Samples in proper container/bcitle? | 1 (13) | No i | ; |
| Samples properly creserved? | 1 XES | No | |
| Sample bottles intact? | I MES! | No : | · · · · · · · · · · · · · · · · · · · |
| Preservations documented on Chain of Custody? | 1 des | No | ······································ |
| Containers documented on Chain of Custody? | (es) | No ' | |
| Sufficient sample amount for indicated test? | | No | ······································ |
| All samcles received within sufficient hold time? | I YEE! | No | |
| VOC samples have zero headspace? | 1 (==) | No | Not Applicable |

Other observations:

Variance Documentation:

Regarding:

Contact Person: -____ Date/Time: _____ Contacted by: _____

Corrective Action Taken:



Analytical Report

Prepared for:

Camille Reynolds Plains All American EH & S 1301 S. County Road 1150 Midland, TX 79706-4476

Project: Ballard- Grayburg 5inch Project Number: EMS: 2004-00192 Location: Ballard Grayburg

Lab Order Number: 5E27006

Report Date: 06/06/05

| Plains All American EH & S | Project: Ballard- Graybur | g 5inch Fax: (432) 687-4914 |
|----------------------------|----------------------------------|-----------------------------|
| 1301 S. County Road 1150 | Project Number: EMS: 2004-0019 | 2 Reported: |
| Midland TX, 79706-4476 | Project Manager: Camille Reynold | s 06/06/05 11:21 |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|--------|----------------|----------------|
| Monitor Well #2 | 5E27006-01 | Water | 05/26/05 14:23 | 05/27/05 11:30 |
| Monitor Well #3 | 5E27006-02 | Water | 05/26/05 16:20 | 05/27/05 11:30 |

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S 1301 S. County Road 1150 Midland TX, 79706-4476

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Project: Ballard- Grayburg 5inch Project Number: EMS: 2004-00192 Project Manager: Camille Reynolds Fax: (432) 687-4914

Reported: 06/06/05 11:21

Organics by GC

Environmental Lab of Texas

| | | Reporting | | | | | | | ľ |
|------------------------------------|--------------|-------------------|-------|----------|---------|----------|----------|---------------------------------------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Monitor Well #2 (5E27006-01) Water | | · · · · · · · · · | | | | | | · · · · · · · · · · · · · · · · · · · | |
| Benzene | 0.00199 | 0.00100 | mg/L | 1 | EF50210 | 06/02/05 | 06/02/05 | EPA 8021B | |
| Toluene | J [0.000713] | 0.00100 | μ | π | u | " | u | 11 | |
| Ethylbenzene | ND | 0.00100 | 11 | Ħ | n | " | u | n | |
| Xylene (p/m) | ND | 0.00100 | 11 | " | n | " | 11 | 11 | |
| Xylene (o) | ND | 0.00100 | * | n | | 11 | 17 | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 99.0 % | 80-12 | 0 | " | n | " | 11 | |
| Surrogate: 4-Bromofluorobenzene | | 83.0 % | 80-12 | 0 | 17 | " | " | 17 | |
| Monitor Well #3 (5E27006-02) Water | | | | | | | | | |
| Benzene | 0.0144 | 0.00100 | mg/L | 1 | EF50210 | 06/02/05 | 06/02/05 | EPA 8021B | |
| Toluene | 0.00283 | 0.00100 | 11 | 11 | " | " | " | " | |
| Ethylbenzene | J [0.000252] | 0.00100 | 11 | n | " | *1 | н | " | |
| Xylene (p/m) | ND | 0.00100 | " | u | u | ** | u | | |
| Xylene (o) | J [0.000332] | 0.00100 | " | " | " | " | н | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 158 % | 80-12 | 0 | " | " | 17 | ** | S-04 |
| Surrogate: 4-Bromofluorobenzene | | 84.0 % | 80-12 | 0 | 59 | n | | 18 | |

Environmental Lab of Texas

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| Plains All American EH & S 1301 S. County Road 1150 | | Pr Project Nu | oject: Ball mber: EM | ard- Graybu S: 2004-001 | urg 5inch 92 | | | | Fax: (432) Repo | 687-49] | |
|--|-----------|--------------------|-------------------------|----------------------------|------------------|----------|----------------|-------|---------------------------|---------|--|
| Midland TX, 79706-4476 | | Project Mar | ager: Can | tille Reynol | ds | | | | 06/06/05 11:21 | | |
| | O | rganics by | GC - Q | uality Co | ontrol | | | | | | |
| | . <u></u> | Environm | ental La | ab of Tex | kas | | | | | | |
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Note | |
| Batch EF50210 - EPA 5030C (GC) | | | | | | | | | | | |
| Blank (EF50210-BLK1) | | | | Prepared & | Analyzed: | 06/02/05 | | | | _ | |
| Benzene | ND | 0.00100 | mg/L | | | | | | | | |
| Toluene | ND | 0.00100 | u | | | | | | | | |
| Ethylbenzene | ND | 0.00100 | u | | | | | | | | |
| Xylene (p/m) | ND | 0.00100 | n | | | | | | | | |
| Xylene (o) | ND | 0.00100 | n | | | | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 18.9 | | ug/l | 20.0 | | 94.5 | 80-120 | | | | |
| Surrogate: 4-Bromofluorobenzene | 16.4 | | " | 20.0 | | 82.0 | 80-120 | | | | |
| LCS (EF50210-BS1) | | | | Prepared & | z Analyzed: | 06/02/05 | | | | | |
| Benzene | 105 | | ug/l | 100 | | 105 | 80-120 | | | | |
| Toluene | 107 | | н | 100 | | 107 | 80-120 | | | | |
| Ethylbenzene | 101 | | n | 100 | | 101 | 80-120 | | | | |
| Xylene (p/m) | 206 | | n | 200 | | 103 | 80-120 | | | | |
| Xylene (o) | 98.1 | | n | 100 | | 98.1 | 80-120 | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 22.2 | | " | 20.0 | | 111 | 80-120 | | | | |
| Surrogate: 4-Bromofluorobenzene | 21.3 | | " | 20.0 | | 106 | 80-120 | | | | |
| LCS Dup (EF50210-BSD1) | | | | Prepared & | Analyzed: | 06/02/05 | | | | | |
| Benzene | 105 | | ug/l | 100 | | 105 | 80-120 | 0.00 | 20 | | |
| Toluene | 107 | | n | 100 | | 107 | 80-120 | 0.00 | 20 | | |
| Ethylbenzene | 101 | | " | 100 | | 101 | 80-120 | 0.00 | 20 | | |
| Xylene (p/m) | 209 | | ** | 200 | | 104 | 80-120 | 0.966 | 20 | | |
| Xylene (o) | 95.2 | | " | 100 | | 95.2 | 80-120 | 3.00 | 20 | | |
| Surrogate: a,a,a-Trifluorotoluene | 21.2 | | 11 | 20.0 | | 106 | 80-120 | | | | |
| Surrogate: 4-Bromofluorobenzene | 19.3 | | " | 20.0 | | 96.5 | 80-120 | | | | |
| Calibration Check (EF50210-CCV1) | | | | Prepared 8 | k Analyzed: | 06/02/05 | | | | | |
| Benzene | 105 | | ug/l | 100 | | 105 | 80-120 | | | | |
| Toluene | 107 | | " | 100 | | 107 | 80-120 | | | | |
| Ethylbenzene | 101 | | 19 | 100 | | 101 | 80-120 | | | | |
| Xylene (p/m) | 207 | | | 200 | | 104 | 80-120 | | | | |
| Xylene (0) | 97.2 | | н | 100 | | 97.2 | 80-120 | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 20.7 | | H | 20.0 | | 104 | 80-120 | | | | |
| Surrogate: 4-Bromofluorobenzene | 21.2 | | " | 20.0 | | 106 | 80-120 | | | | |

Environmental Lab of Texas

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| Plains All American EH & S | Project: Ballard- Grayburg 5inch | Fax: (432) 687-4914 |
|----------------------------|-----------------------------------|---------------------|
| 1301 S. County Road 1150 | Project Number: EMS: 2004-00192 | Reported: |
| Midland TX, 79706-4476 | Project Manager: Camille Reynolds | 06/06/05 11:21 |

Organics by GC - Quality Control

Environmental Lab of Texas

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch EF50210 - EPA 5030C (GC)

| Source: 5E27005-01 | | | Prepared & Analyzed: 06/02/05 | | | | |
|--------------------|---|--|---|---|---|--|--|
| 105 | ug/l | 100 | ND | 105 | 80-120 | | |
| 109 | | 100 | ND | 109 | 80-120 | | |
| 103 | * | 100 | ND | 103 | 80-120 | | |
| 204 | " | 200 | ND | 102 | 80-120 | | |
| 96 .0 | " | 100 | ND | 96.0 | 80-120 | | |
| 21.8 | 11 | 20.0 | | 109 | 80-120 | | |
| 20.6 | " | 20.0 | | 103 | 80-120 | | |
| | Source: : 105 109 103 204 96.0 21.8 20.6 | Source: 5E27005-01 105 ug/l 109 " 103 " 204 " 96.0 " 21.8 " 20.6 " | Source: 5E27005-01 Prepared & 105 ug/l 100 109 " 100 103 " 100 204 " 200 96.0 " 100 21.8 " 20.0 20.6 " 20.0 | Source: 5E27005-01 Prepared & Analyzed: 105 ug/l 100 ND 109 " 100 ND 103 " 100 ND 204 " 200 ND 96.0 " 100 ND 21.8 " 20.0 20.0 20.6 " 20.0 100 | Source: 5E27005-01 Prepared & Analyzed: \06/02/05 105 ug/l 100 ND 105 109 " 100 ND 109 103 " 100 ND 103 204 " 200 ND 102 96.0 " 100 ND 96.0 21.8 " 20.0 109 20.6 " 20.0 103 | | |

Environmental Lab of Texas

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| Plains All A | American EH & S | Project: | Ballard- Grayburg 5inch | Fax: (432) 687-4914 |
|--------------|---|--------------------------------|---------------------------------------|---------------------|
| 1301 S. Co | unty Road 1150 | Project Number: | EMS: 2004-00192 | Reported: |
| Midland TX | X, 79706-4476 | Project Manager: | Camille Reynolds | 06/06/05 11:21 |
| | | Notes and De | finitions | |
| S-04 | The surrogate recovery for this sample is | outside of established control | limits due to a sample matrix effect. | |
| DET | Analyte DETECTED | | | |
| ND | Analyte NOT DETECTED at or above the repo | orting 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:

Raland K Julies Date:

6/6/2005

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director James L. Hawkins, Chemist/Geologist Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas

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| Environmental L | ab of T | exas | | |
|---|----------|-------------|--|--------|
| Variance / Conjective Action | кероп | - 38 | | -10 |
| Client: BAGIN ENV. | | | | |
| Date/Time: <u>5/201/05 11:30</u> | | | | |
| Order #: <u>6E21006</u> | | | | |
| Initials: | | | | |
| Sample Receipt | Checkli | st | ·.· | |
| Temperature of container/cooler? | Yes | No | 20 | CI |
| Shipping container/cooler in good condition? | Yes | No | | |
| Custody Seals intact on shipping container/ccoler? | FERI | No | Not present | |
| Custody Seals intact on sample bottles? | 1 Xes 1 | No | Nct present | |
| Chain of custocy present? | 1 2001 | No I | | |
| Sample Instructions complete on Chain of Custody? | 1 (ES) | No | | |
| Chain of Custody signed when relinquished and received? | 1 Yes 1 | No | | |
| Chain of custody agrees with sample label(s) | 100 | <u>No </u> | | |
| Container lace's legible and intact? | X895 | NO | | |
| Sample Matrix and properties same as on chain of custocy? | 103 | 010 | | |
| Samples in proper container/cottle? | YES I | | | |
| Samcles procerly preserved / | 1 ACD | 10V, | ********** | |
| Sample Dotties Intact? | | NO | | |
| Preservations receimented on Chain & Costedy? | | No | ···· | |
| Sufficient sample amount for indicated test? | 1 Val | No | | |
| All samples received within sufficient hold time? | Vera | No | ************************************** | |
| VOC semples have zero headspace? | 1 434. | No | Not Applicabl | **** |
| Other observations: | | | · · · · · · · · · · · · · · · · · · · | ۵ ۱۹۶۰ |
| Contact Person: Date/Time: | mentatio | n: | Contacted by | /: |
| Regarding: | , | • | | ***** |
| Corrective Action Taken: | | | | |
| | | | | |
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Analytical Report

Prepared for:

Camille Reynolds Plains All American EH & S 1301 S. County Road 1150 Midland, TX 79706-4476

Project: Ballard- Grayburg 5inch Project Number: EMS: 2004-00192 Location: Eddy County, NM

Lab Order Number: 5H12004

Report Date: 08/18/05

| | | |
|----------------------------|-----------------------------------|---------------------|
| Plains All American EH & S | Project: Ballard- Grayburg 5inch | Fax: (432) 687-4914 |
| 1301 S. County Road 1150 | Project Number: EMS: 2004-00192 | Reported: |
| Midland TX, 79706-4476 | Project Manager: Camille Reynolds | 08/18/05 14:40 |

ANALYTICAL REPORT FOR SAMPLES

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| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|--------|----------------|----------------|
| Monitor Well #2 | 5H12004-01 | Water | 08/11/05 12:00 | 08/12/05 11:10 |
| Monitor Well #3 | 5H12004-02 | Water | 08/11/05 15:00 | 08/12/05 11:10 |

Project: Ballard- Grayburg 5inch Project Number: EMS: 2004-00192 Project Manager: Camille Reynolds Fax: (432) 687-4914

Reported: 08/18/05 14:40

Organics by GC

Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|---------|--------------------|-------|----------|--|----------|----------|-----------|-------|
| Monitor Well #2 (5H12004-01) Water | | | | | ······································ | • • | | | |
| Benzene | 0.00191 | 0.00100 | mg/L | 1 | EH51609 | 08/16/05 | 08/16/05 | EPA 8021B | |
| Toluene | 0.00106 | 0.00100 | " | n | | r | ** | н | |
| Ethylbenzene | ND | 0.00100 | н | " | n | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | | # | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | u | n | | " | | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 100 % | 80-12 | 0 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 80-12 | 0 | " | " | " | n | |
| Monitor Well #3 (5H12004-02) Water | | | | | | | | | |
| Benzene | 0.00239 | 0.00100 | mg/L | 1 | EH51609 | 08/16/05 | 08/16/05 | EPA 8021B | |
| Toluene | ND | 0.00100 | 19 | " | | 11 | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | ** | " | " | |
| Xylene (p/m) | ND | 0.00100 | 11 | " | ** | ** | n | * | |
| Xylene (o) | ND | 0.00100 | н | " | u | | u | | |
| Surrogate: a,a,a-Trifluorotoluene | | 94.1 % | 80-12 | 0 | " | " | 11 | " | |
| Surragate: A_Bromofluorobanzana | | 89.6% | 80-12 | n | " | " | " | " | |

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.

| Plains All American EH & S | | Pr | oiect Ba | allard- Gravbu | rg 5inch | | | | Fax: (432) | 687-4914 |
|-----------------------------------|----------|---------------------------------------|-----------|----------------|------------|-------------|--------|------|---------------|----------|
| 1301 S. County Road 1150 | | Project Nu | mber: EN | MS: 2004-001 | 92 | | | | Reno | rted: |
| Midland TX, 79706-4476 | | Project Mar | nager: Ca | amille Reynol | ds | | | | 08/18/0 | 5 14:40 |
| <u> </u> | | rganics by | |)vality Co | ntrol | | | | | |
| | U | Environm | iental I | Lab of Tex | as | | | | | |
| | | Reporting | | Spike | Source | #/DEC | %REC | 7100 | RPD | Nutur |
| Analyte | Kesult | Limit | Units | Level | Kesuit | %REC | Limits | KPD | Limit | Notes |
| Batch EH51609 - EPA 5030C (GC) | | · · · · · · · · · · · · · · · · · · · | | | | | | | | |
| Blank (EH51609-BLK1) | | | | Prepared & | Analyzed: | 08/16/05 | | | | |
| Benzene | ND | 0.00100 | mg/L | | | | | | | |
| Toluene | ND | 0.00100 | " | | | | | | | |
| Ethylbenzene | ND | 0.00100 | H | | | | | | | |
| Xylene (p/m) | ND | 0.00100 | " | | | | | | | |
| Xylene (o) | ND | 0.00100 | " | | | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 97.9 | | ug/l | 100 | | 97.9 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 81.4 | | n | 100 | | 81.4 | 80-120 | | | |
| LCS (EH51609-BS1) | | | | Prepared & | Analyzed | 08/16/05 | | | | |
| Benzene | 98.4 | | ug/l | 100 | | 98.4 | 80-120 | | | |
| Toluene | 97.0 | | " | 100 | | 97.0 | 80-120 | | | |
| Ethylbenzene | 106 | | и | 100 | | 106 | 80-120 | | | |
| Xylene (p/m) | 204 | | D | 200 | | 102 | 80-120 | | | |
| Xylene (o) | 104 | | " | 100 | | 104 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 104 | | " | 100 | | 104 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 95.4 | | " | 100 | | 95.4 | 80-120 | | | |
| Calibration Check (EH51609-CCV1) | | | | Prepared: (|)8/16/05 A | nalyzed: 08 | /17/05 | | | |
| Benzene | 94.2 | | ug/l | 100 | | 94.2 | 80-120 | | | |
| Toluene | 94.5 | | n | 100 | | 94.5 | 80-120 | | | |
| Ethylbenzene | 106 | | u | 100 | | 106 | 80-120 | | | |
| Xylene (p/m) | 203 | | | 200 | | 102 | 80-120 | | | |
| Xylene (o) | 109 | | " | 100 | | 109 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 94.9 | | # | 100 | | 94.9 | 0-200 | | , | |
| Surrogate: 4-Bromofluorobenzene | 102 | | " | 100 | | 102 | 0-200 | | | |
| Matrix Spike (EH51609-MS1) | Sou | rce: 5H11006- | -01 | Prepared: (| 8/16/05 A | nalyzed: 08 | /17/05 | | | |
| Benzene | 91.6 | | ug/l | 100 | ND | 91.6 | 80-120 | | | |
| Toluene | 90.2 | | " | 100 | ND | 90.2 | 80-120 | | | |
| Ethylbenzene | 101 | | " | 100 | ND | 101 | 80-120 | | | |
| Xylene (p/m) | 191 | | " | 200 | ND | 95.5 | 80-120 | | | |
| Xylene (o) | 102 | | H | 100 | ND | 102 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 91.5 | | " | 100 | | 91.5 | 80-120 | | a a a a a a a | |
| Surrogate: 4-Bromofluorobenzene | 97.9 | | " | 100 | | 97.9 | 80-120 | | | |

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Page 3 of 5

Project: Ballard- Grayburg 5inch Project Number: EMS: 2004-00192 Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported: 08/18/05 14:40

Organics by GC - Quality Control

Environmental Lab of Texas

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch EH51609 - EPA 5030C (GC)

| Matrix Spike Dup (EH51609-MSD1) | Source: 5 | H11006-01 | Prepared: (|)8/16/05 A | nalyzed: 0 | 8/17/05 | | | |
|-----------------------------------|-----------|-----------|-------------|------------|------------|---------|------|----|--|
| Benzene | 95.5 | ug/l | 100 | ND | 95.5 | 80-120 | 4.17 | 20 | |
| Toluene | 94.5 | н | 100 | ND | 94.5 | 80-120 | 4.66 | 20 | |
| Ethylbenzene | 106 | " | 100 | ND | 106 | 80-120 | 4.83 | 20 | |
| Xylene (p/m) | 201 | н | 200 | ND | 100 | 80-120 | 4.60 | 20 | |
| Xylene (o) | 108 | " | 100 | ND | 108 | 80-120 | 5.71 | 20 | |
| Surrogate: a,a,a-Trifluorotoluene | 82.3 | · " | 100 | | 82.3 | 80-120 | ··· | | |
| Surrogate: 4-Bromofluorobenzene | 92.9 | n | 100 | | 92.9 | 80-120 | | | |

Environmental Lab of Texas

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| Plains A | ll American EH & S | Project: | Ballard- Grayburg 5inch | Fax: (432) 687-4914 |
|----------|--|------------------|-------------------------|---------------------|
| 1301 S. | County Road 1150 | Project Number: | EMS: 2004-00192 | Reported: |
| Midland | TX, 79706-4476 | Project Manager: | Camille Reynolds | 08/18/05 14:40 |
| | | Notes and De | finitions | |
| 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 | | | |
| Dun | Duplicate | | | |

Report Approved By:

Raland K Julies

8/18/2005

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.

Date:

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

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| | | | | | Sec. 14 | · | • | • | | | | | •• | · · | | | | | • | | |

| Environmental L Variance / Corrective Action | ab of T Report | 'exas : – Sa | mple Log- | In |
|--|-------------------|-----------------|----------------|----|
| Client: Basin Env. | | | | |
| Date/Time: 6/12/05 11:10 | | | | |
| Drder #:5 <u>+112004</u> | | | | |
| nitials:CK | | | | |
| Sample Receipt | Checkli | st | | |
| emperature of container/cooler? | Yes | No | 0,5 (| হা |
| Shipping container/cooler in good condition? | YES | No | | |
| Custody Seals intact on shipping container/cooler? | Yes | No | Not present | |
| Sustody Seals intact on sample bottles? | Yes | No | Not present | |
| Chain of custody present? | Yes | No | | |
| Sample Instructions complete on Chain of Custody? | 103 | NO | | |
| Chain of Custody signed when relinquished and received? | (Yes) | NO | | |
| Chain of custody agrees with sample label(s) | | NO | | |
| | | NC | | |
| Sample Mathx and properties same as on chain of custody? | | NO | | |
| | | No | | |
| Sample splugerly preserved: | Van | No | | |
| Preservations documented on Chain of Custody? | Vena | No | | |
| Containers documented on Chain of Custody? | X | No | | |
| Sufficient sample amount for indicated test? | Yes | Nò | | |
| All samples received within sufficient hold time? | Tes 1 | No | <u></u> | |
| VOC samples have zero headspace? | Yas | No | Not Applicable | |
| Variance Docu Contact Person: Date/Time: Regarding: | mentatic | n: | Contacted by: | |
| Variance Docume Contact Person: Date/Time: Regarding: Corrective Action Taken: | mentatic | on: | Contacted by: | |
| | | | | |
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Analytical Report

Prepared for:

Camille Reynolds Plains All American EH & S 1301 S. County Road 1150 Midland, TX 79706-4476

Project: Ballard- Grayburg 5inch Project Number: EMS: 2004-00192 Location: Eddy Co., NM

Lab Order Number: 5L28002

Report Date: 01/04/06

| | | \smile | |
|----------------------------|-----------------|---------------------------|---------------------|
| Plains All American EH & S | Project | : Ballard- Grayburg 5inch | Fax: (432) 687-4914 |
| 1301 S. County Road 1150 | Project Number | ; EMS: 2004-00192 | Reported: |
| Midland TX, 79706-4476 | Project Manager | : Camille Reynolds | 01/04/06 17:11 |

Organics by GC - Quality Control

Environmental Lab of Texas

| | | | | | | | and the second se | | and the second sec | |
|---------------------------------|--------|--------------------|-------|----------------|------------------|-------------|---|-------|--|-------|
| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
| Batch EL52915 - EPA 5030C (GC) | | | | | | | | | | |
| Matrix Spike Dup (EL52915-MSD1) | Sou | rce: 5L23009- | -11 | Prepared: 1 | 2/29/05 A | nalyzed: 12 | /30/05 | | | |
| Benzene | 0.0440 | 0.00100 | mg/L | 0.0500 | ND | 88.0 | 80-120 | 8.04 | 20 | |
| Toluene | 0.0450 | 0.00100 | " | 0.0500 | ND | 90.0 | 80-120 | 0.445 | 20 | |
| Ethvibenzene | 0.0407 | 0.00100 | " | 0.0500 | ND | 81.4 | 80-120 | 9.37 | 20 | |

ug/l

"

0.100

0.0500

40.0

40.0

ND

ND

81.3

82.6

106

98.2

80-120

80-120

80-120

80-120

13.0

9.46

20

20

0.00100

0.00100

0.0813

0.0413

42.3

39.3

Surrogate: a,a,a-Trifluorotoluene

Xylene (p/m)

Xylene (o)

Surrogate: 4-Bromofluorobenzene

Environmental Lab of Texas

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Page 4 of 5

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

APPENDIX B

RELEASE NOTIFICATION AND CORRECTIVE ACTION (NMOCD FORM C-141)





District 1 1625 N. French Dr., Hobbs, NM 88240 Form C-141 Revised October 10, 2003 Energy Minerals and Natural Resources District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form **Oil Conservation Division** 1220 South St. Francis Dr. District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa Fe, NM 87505 **Release Notification and Corrective Action** OPERATOR x Initial Report 🔲 Final Report Name of Company Plains Marketing, LP Address 5805 East Hwy. 80, Midland, TX 79706 Contact Camille Reynolds Telephone No. 505-441-0965 Facility Name Ballard Greyburg 5" #2 Facility Type 5"Steel Pipeline Surface Owner BLM Mineral Owner Lease No. LOCATION OF RELEASE Township Unit Letter Section Range 29E Feet from the North/South Line | Feet from the East/West Linc County 185 м 10 Eddy Latitude_32°45'27.1" Longitude_104°04'12.0" NATURE OF RELEASE Type of Release Crude Oil Volume of Release 80 barrels Volume Recovered 0 barrels rce of Release 5" Steel Pipeline Date and Hour of Occurrence 9-2-04 @ 06:00 If YES, To Whom? Date and Hour of Discovery 9-2-04 @ 08:45 Was Immediate Notice Given? 🛛 Yes 🗌 No 🗋 Not Required Van Barton Date and Hour 9-2-04 @ 14:32 If YES, Volume Impacting the Watercourse. By Whom? Ken Dutton Was a Watercourse Reached? Yes X No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* External corrosion of the 5" steel pipeline. A line clamp was installed to mitigate the release. The line is a 5-inch steel gathering line that produces approximately 95 barrels of crude per day. The pressure on the line varies from 50 to 70 psi and the gravity of the sour crude oil is 39. The sour crude has an H₂S content of 20 ppm Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was 10 x 6 feet, subsequent excavation of impacted soil resulted in an area of approximately 22 x 23 x 13 feet. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to acceptance of a C-141 report does not relieve the operator of operations there, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other formation and performed on the operator of a C-141 report does not relieve the operator of responsibility for compliance with any other formation of the operator of responsibility for compliance with any other formation operator operator operator operators and the operator operator operator operator operator operators operator operators operator operators operators operators operator operators ope federal, state, or local laws and/or regulations. **OIL CONSERVATION DIVISION** amille Keeprolds Signature: Approved by District Supervisor: Printed Name: Camille Reynolds Title: Remediation Coordinator Approval Date: Expiration Date Conditions of Approval: E-mail Address: circynolds@paalp.com Attached 🔲

Phone:505-441-0965

State of New Mexico

* Attach Additional Sheets If Necessary

Date: 9-7-04