



# AMERADA HESS CORPORATION

**ORYX JL BARR  
LEA COUNTY, NEW MEXICO**

## **SITE CLOSURE REPORT**

PREPARED BY:

**BBC INTERNATIONAL, INC.**  
WORLD-WIDE ENVIRONMENTAL SPECIALISTS  
1324 W. MARLAND BLVD.  
P. O. BOX 805  
HOBBS, NEW MEXICO 88240  
(505)397-6388 • FAX (505)397-0397  
EMAIL: [bbc@bbcinternational.com](mailto:bbc@bbcinternational.com)  
WEBSITE: [www.bbcinternational.com](http://www.bbcinternational.com)

**May 5, 2006**

PREPARED FOR:

**MR. RANDY BARNES  
AMERADA HESS CORPORATION  
P.O. BOX 840  
SEMINOLE, TX 79360**

*Facility - PPAC0613231411  
Incident - nPPAC0613231492  
Application - PPAC0613231954*



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

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

Director

**Oil Conservation Division**

May 11, 2006

Mr. Randy Barnes  
Amerada Hess Corporation, (Amerada)  
POB 840  
Seminole, TX 79360

Re: Orx JL Barr - Site Closure Report Approval  
Unit M, Section 24-Township 19 South-Range 36 East  
Dated: May 5, 2006

Dear Mr. Barnes,

New Mexico Oil Conservation Division (OCD) personnel **hereby approve** the closure report submitted by BBC for Amerada and referenced above according to the information provided.

Please be advised that OCD approval does not relieve Amerada of liability should operations result in pollution of surface water, ground water, or the environment. In addition, OCD approval does not relieve Amerada of responsibility for compliance with other federal, state or local laws and/or regulations.

If you have any questions or need assistance please write or call: (505) 393-6161, ext. 113, or e-mail: [psheeeley@state.nm.us](mailto:psheeeley@state.nm.us)

Sincerely,

Paul Sheeley - Environmental Engineer  
xc: Wayne Price - Environmental Bureau Chief  
Chris Williams - District I Supervisor  
Larry Johnson - Environmental Engineer  
Amy Ruth - BBC

# Amerada Hess Corporation

## Oryx JL Barr

### 1.0 INTRODUCTION

The subject site is north of Monument, New Mexico in Lea County in Unit Letter M, of Section 24, Township 19 South, and Range 36 East. The site is an abandoned tank battery. Amerada Hess Corporation (Amerada) sent a remediation plan to the New Mexico Oil Conservation Division (NMOCD), and the plan was approved on December 5, 2005.

### 2.0 SITE CHARACTERIZATION

The area of the site measures approximately 4,200 square feet. There is no water source within 1,000 horizontal feet of the site. There is no surface water within 1,000 horizontal feet of the site. Based on data from the Office of the State Engineer, average depth to groundwater is greater than 50 feet. Bedrock in the Monument area is very shallow and it is approximately one foot below the surface of the topsoil.

### 3.0 SITE ACTIVITIES

Amerada retained E.D. Walton Construction (E.D. Walton) to excavate the site and haul contaminated soil to a landfarm approved by NMOCD. BBC International, Inc. (BBC) was also retained by Amerada to collect soil samples for laboratory analysis. Excavation began on March 23, 2006.

On March 9, 2006, BBC personnel collected four (4) surface samples. The samples were tested for total petroleum hydrocarbons (TPH) – gasoline range organics (GRO)/diesel range organics (DRO), chloride, and benzene-toluene-ethylbenzene-xylene (BTEX). GRO was non-detect, DRO ranged from non-detect to 75.1 ppm, chlorides were all 16 ppm, and BTEX was non-detect. All site diagrams can be found in **Appendix I**, laboratory analyticals can be found in **Appendix II**, site photographs can be viewed in **Appendix III**, and email correspondences can be found in **Appendix IV**.

Five (5) samples were collected from sample holes at two (2) to three (3) feet below ground surface (bgs) on March 14, 2006. GRO was non-detect, DRO ranged from non-detect to 40.5 ppm, chlorides were 16 ppm to 32 ppm, and BTEX was non-detect.

Site excavation was completed on March 24, 2006, and 460 yards of contaminated material was hauled to a landfarm. NMOCD was notified on March 21, 2006 of final sampling to occur on March 23, 2006, however sampling could not be completed on that day due to logistical setbacks. On March 24, 2006, NMOCD was notified of the delay and informed that sampling was rescheduled for March 29, 2006. Final samples were non-detect for GRO and DRO, chlorides were 16 ppm or less, and BTEX was non-detect.

Backfilling and contouring was completed with a total of 760 yards of clean soil on April 12, 2006. The site was reseeded on May 3, 2006.

#### **4.0 CONCLUSION**

According to the Office of the State Engineer, depth to groundwater is greater than 50 feet. There are no water sources or surface water bodies within 1,000 horizontal feet. Therefore, the laboratory data for this site indicates that BTEX, TPH (GRO/DRO), and chloride levels are within NMOCD guidelines.

# APPENDIX I

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## Site Diagrams

**Oryx JL Barr**  
Monument, New Mexico

Prepared for:  
Amerada Hess Corporation  
Seminole, Texas

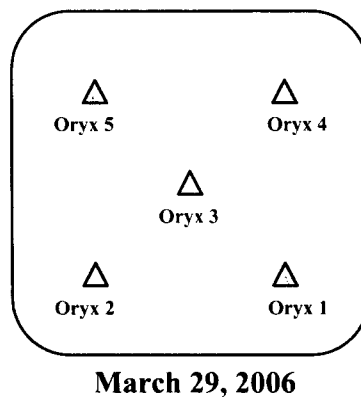
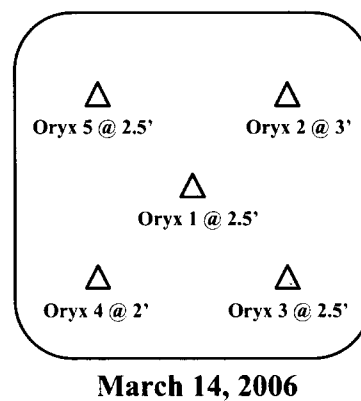
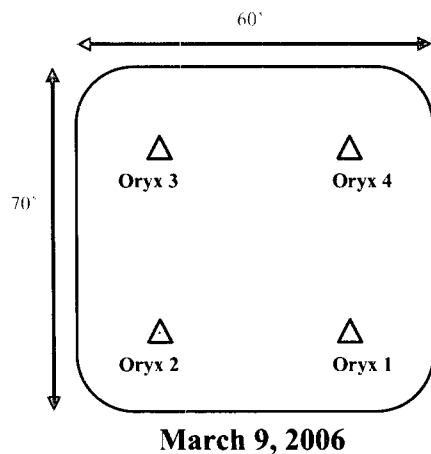
**May, 2006**

Prepared by:  
BBC International, Inc.

# Amerada Hess Corporation

## Oryx JL Barr

### Sampling



LEGEND	
	Sample Points
	Site Dimensions (feet)

BBC INTERNATIONAL, INC.	
Amerada Hess Corporation Oryx JL Barr (3-29-06)	
Date: 4-17-06	Drawn By: ACR
Disk:	Sheet 1 of 1 Sheets
Scale: Not to Scale	File Name

# **APPENDIX II**

---

## **Laboratory Analytical Results**

**Oryx JL Barr**  
Monument, New Mexico

Prepared for:  
Amerada Hess Corporation  
Seminole, Texas

**May, 2006**

Prepared by:  
BBC International, Inc.



# ARDINAL LABORATORIES

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

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

ANALYTICAL RESULTS FOR  
BBC INTERNATIONAL, INC  
ATTN: CLIFF BRUNSON  
1324 WEST MARLAND  
HOBBS, NM 88240  
FAX TO: 505-397-0397

Receiving Date: 3/10/06  
Project Owner: AMERADA HESS  
Project Number: MONUM 06ES001  
Project Name: ORYX JR BAR  
Project Location: MONUMENT  
Reporting Date: 3/16/06

Sampling Dates: 3/9/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: JC

LAB ID	SAMPLE ID	GRO C <sub>6</sub> -C <sub>12</sub> (mg/kg)	DRO >C <sub>12</sub> -C <sub>28</sub> (mg/kg)	TOTAL TPH (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
H10887-1	ORYX 1	<50.0	<50.0	<50.0	<0.002	<0.002	<0.002	<0.006
H10887-2	ORYX 2	<50.0	<50.0	<50.0	<0.002	<0.002	<0.002	<0.006
H10887-3	ORYX 3	<50.0	75.1	75.1	<0.002	<0.002	<0.002	<0.006
H10887-4	ORYX 4	<50.0	<50.0	<50.0	<0.002	<0.002	<0.002	<0.006

Extraction Date:	03/14/06	03/14/06	03/14/06
Analysis Date:	03/14/06	03/14/06	03/14/06
Method Blank	<50.00	<50.00	<50.00
LCS			
True Value LCS			
LCS % Recovery			
Matrix Spike (MS)			436
Matrix Spike Dup (MSD)			426
True Value Matrix Spike			400
MS % Recovery			109%
MSD % Recovery			107%
Matrix Spike RPD			2.3%

03/15/06	03/15/06	03/15/06	03/15/06
03/15/06	03/15/06	03/15/06	03/15/06
<0.002	<0.002	<0.002	<0.006
0.100	0.097	0.100	0.307
0.100	0.100	0.100	0.300
100.0%	97.0%	100.0%	102.0%
0.0%	2.9%	3.8%	3.8%

FLAGS:

Methods: TPH SW-846 8015M; BTEX-MTBE SW-846 8021B, 5030B

Chemist

3/16/06  
Date

H10887BTEX-TPH SOIL[1].xls

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ANALYTICAL RESULTS FOR  
BBC INTERNATIONAL, INC  
ATTN: CLIFF BRUNSON  
1324 WEST MARLAND  
HOBBS, NM 88240  
FAX TO: (505) 397-0397

Receiving Date: 03/10/06  
Reporting Date: 03/20/06  
Project Number: MONUM 06ES001  
Project Name: ORYX JR BAR  
Project Location: MONUMENT, NM

Analysis Date: 03/13/06  
Sampling Date: 03/09/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: NF  
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl <sup>-</sup> (mg/kg)
H10887-1	ORYX 1	16
H10887-2	ORYX 2	16
H10887-3	ORYX 3	16
H10887-4	ORYX 4	16
Quality Control		500
True Value QC		500
% Recovery		100.0
Relative Percent Difference		2.0

METHOD: Standard Methods

4500-Cl<sup>-</sup>B

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

  
Chemist

3/20/06  
Date

H10887

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

## CARDINAL LABORATORIES, INC.

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

Company Name: BBO International, Inc.

Project Manager: Cliff Brunson

Address: 1324 W. Marland

City: Hobbs State: NM Zip: 88240

Phone #: 505-397-6388 Fax #: 505-397-0397

Project #: MONUM 06ES001 Project Owner: Amerada Hess

Project Name: Dryx JR Bar

Project Location: Monument

Sampler Name: Amy Ruth

**BILL TO**

P.O. #: 45-157156

Company: Amerada Hess

Attn: Randy Barnes

Address:

City: Seminole

State: TX Zip:

Phone #:

Fax #:

### ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	TPH	BTEX
H10887-1	Dryx 1	G	1	✓						✓			3/9/06	133 pm	✓	✓	✓
-2	Dryx 2	G	1	✓						✓			3/9/06	142 pm	✓	✓	✓
-3	Dryx 3	G	1	✓						✓			3/9/06	149 pm	✓	✓	✓
-4	Dryx 4	G	1	✓						✓			3/9/06	157 pm	✓	✓	✓

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Terms and Conditions: All fees will be charged on all accounts more than 30 days past due at the rate of 2.5% per annum from the original date of invoice, plus all costs of collection, including attorney's fees.

Sampler Relinquished: Date: Time: Received By: (Lab Staff) Date: Time: 3/16/06 3:41 pm

Relinquished By: Amy Ruth Delivered By: (Circle One) Amy Ruth

Sample Condition: Cool/Intact ☒ Yes ☐ No

Checked By: (Initials) Rick Tuller

Sampler - UPS - Bus - Other: ☐ Yes ☐ No

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



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

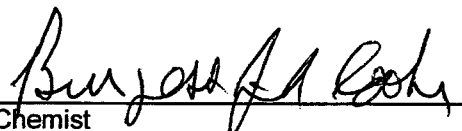
Receiving Date: 03/14/06  
Reporting Date: 03/18/06  
Project Number: MONUM 06ES001  
Project Name: ORYX JR BAR  
Project Location: MONUMENT, NM

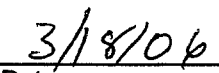
Sampling Date: 03/14/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: BC/AB

LAB NUMBER	SAMPLE ID	GRO	DRO	Cl*
		(C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	
ANALYSIS DATE		03/17/06	03/17/06	03/14/06
H10897-1	ORYX 1 @ 2.5'	<10.0	40.5	16
H10897-2	ORYX 2 @ 3'	<10.0	18.5	16
H10897-3	ORYX 3 @ 2.5'	<10.0	<10.0	16
H10897-4	ORYX 4 @ 2'	<10.0	<10.0	16
H10897-5	ORYX 5 @ 2.5'	<10.0	<10.0	32
Quality Control		808	796	500
True Value QC		800	800	500
% Recovery		101	99.5	100
Relative Percent Difference		4.2	0.6	0.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl\*: Std. Methods 4500-Cl\*B

\*Analyses performed on 1:4 w:v aqueous extracts.

  
Chemist

  
Date

H10897A.XLS

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ANALYTICAL RESULTS FOR  
BBC INTERNATIONAL, INC  
ATTN: CLIFF BRUNSON  
1324 WEST MARLAND  
HOBBS, NM 88240  
FAX TO: 505-397-0397

Receiving Date: 3/14/06  
Reporting Date: 3/20/06  
Project Number: MONUM 06ES001  
Project Name: ORYX JR BAR  
Project Location: MONUMENT

Sampling Date: 3/14/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: BC  
Analyzed By: JC

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		03/16/06	03/16/06	03/16/06	03/16/06
H10897-1	ORYX 1 @ 2.5'	<0.002	<0.002	<0.002	<0.006
H10897-2	ORYX 2 @ 3'	<0.002	<0.002	<0.002	<0.006
H10897-3	ORYX 3 @ 2.5'	<0.002	<0.002	<0.002	<0.006
H10897-4	ORYX 4 @ 2'	<0.002	<0.002	<0.002	<0.006
H10897-5	ORYX 5 @ 2.5'	<0.002	<0.002	<0.002	<0.006
Quality Control		0.097	0.094	0.098	0.297
True Value QC		0.100	0.100	0.100	0.300
% Recovery		97	94	98	99
Relative Percent Difference		9.2	5.7	4.7	5.2

METHODS: EPA - SW 846-8021B, 5030B; Gas Chromatography

Chemist

Date

3/20/06

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

## CARDINAL LABORATORIES, INC.

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

BILL TO										ANALYSIS REQUEST									
Company Name: <b>BBC International, Inc.</b>										P.O. #: <b>45-157156</b>									
Project Manager: <b>Cliff Brunson</b>										Company: <b>Amerada Hess</b>									
Address: <b>1324 W. Marland</b>										Attn: <b>Randy Barnes</b>									
City: <b>Hobbs</b>										State: <b>NM</b> Zip: <b>88240</b>									
Phone #: <b>505-397-6588</b>										Fax #: <b>505-397-0397</b>									
Project #: <b>MDNUM 06E3001</b>										Project Owner: <b>Amerada Hess</b>									
Project Name: <b>Dryx JR Bar</b>										City: <b>Seminole</b>									
Project Location: <b>Monument</b>										State: <b>TX</b> Zip: <b></b>									
Sampler Name: <b>Amy Ruth</b>										Phone #: <b></b>									
Fax #: <b></b>										Matrix									
FOR LAB USE ONLY										PRESERV. SAMPLING									
Lab I.D.										OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME									
H10567-1										✓									
-2										✓									
-3										✓									
-4										✓									
-5										✓									
Dryx 1 @ 2.5'										3/14/06 156 pm									
Dryx 2 @ 3'										3/14/06 200 pm									
Dryx 3 @ 2.5'										3/14/06 204 pm									
Dryx 4 @ 2'										3/14/06 207 pm									
Dryx 5 @ 2.5'										3/14/06 212 pm									

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Sampler Relinquished: \_\_\_\_\_ Received By: \_\_\_\_\_  
Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Relinquished By: \_\_\_\_\_ Received By: (Lab Staff) \_\_\_\_\_  
Date: **3/14/06** Time: **3:32 pm**  
Delivered By: (Circle One) **Amy Ruth**  
Sampler - UPS - Bus - Other: \_\_\_\_\_

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



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

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**ANALYTICAL RESULTS FOR  
BBC INTERNATIONAL, INC.  
ATTN: CLIFF BRUNSON  
1324 W. MARLAND  
HOBBS, NM 88240  
FAX TO: (505) 397-0397**

Receiving Date: 03/30/06  
Reporting Date: 04/03/06  
Project Number: MONUM 06ES001  
Project Name: ORYX JL BAR  
Project Location: MONUMENT, NM

Analysis Date: 03/31/06  
Sampling Date: 03/29/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: AB  
Analyzed By: AB

LAB NO.	SAMPLE ID	Cl <sup>-</sup> (mg/kg)
H10959-1	ORYX 1	16
H10959-2	ORYX 2	16
H10959-3	ORYX 3	16
H10959-4	ORYX 4	<16
H10959-5	ORYX 5	<16
Quality Control		500
True Value QC		500
% Recovery		100.0
Relative Percent Difference		0.0

**METHOD:** Standard Methods

4500-CIB

**NOTE:** Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date \_\_\_\_\_

H10959

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

ANALYTICAL RESULTS FOR  
BBC INTERNATIONAL, INC.  
ATTN: CLIFF BRUNSON  
1324 WEST MARLAND  
HOBBS, NM 88240  
FAX TO: 505-397-0397

Receiving Date: 3/30/06  
Project Owner: AMERADA HESS  
Project Number: MONUM 06ES001  
Project Name: ORYX JL BAR  
Project Location: MONUMENT  
Reporting Date: 4/4/06

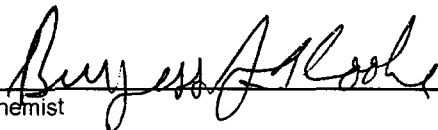
Sampling Dates: 3/29/06  
Sample Type: SOIL  
Sample Condition: COOL & INTACT  
Sample Received By: AB  
Analyzed By: JC

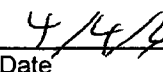
LAB ID	SAMPLE ID	GRO C6-C12 (mg/kg)	DRO >C12-C28 (mg/kg)	TOTAL TPH (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
H10959-1	ORYX 1	<50.00	<50.00	<50.00	<0.002	<0.002	<0.002	<0.006
H10959-2	ORYX 2	<50.00	<50.00	<50.00	<0.002	<0.002	<0.002	<0.006
H10959-3	ORYX 3	<50.00	<50.00	<50.00	<0.002	<0.002	<0.002	<0.006
H10959-4	ORYX 4	<50.00	<50.00	<50.00	<0.002	<0.002	<0.002	<0.006
H10959-5	ORYX 5	<50.00	<50.00	<50.00	<0.002	<0.002	<0.002	<0.006

Extraction Date:	04/03/06	04/03/06	04/03/06	04/03/06	04/03/06	04/03/06	04/03/06	04/03/06
Analysis Date:	04/03/06	04/03/06	04/03/06	04/03/06	04/03/06	04/03/06	04/03/06	04/03/06
Method Blank	<50.00	<50.00	<50.00	<50.00	<0.002	<0.002	<0.002	<0.006
LCS					0.105	0.100	0.100	0.301
True Value LCS					0.100	0.100	0.100	0.300
LCS % Recovery					105%	100%	100%	100.3%
Matrix Spike (MS)				478				
Matrix Spike Dup (MSD)				491				
True Value Matrix Spike				500				
MS % Recovery				95.5%				
MSD % Recovery				98.3%				
Matrix Spike RPD				2.9%	7.4%	8.8%	7.0%	4.6%

FLAGS:

Methods: TPH SW-846 8015M; BTEX-MTBE SW-846 8021B, 5030B

  
Chemist

  
Date

H10959BTEXTPHSOIL[1].xls

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

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

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

Page 1 of 1

## ANALYSIS REQUEST

Company Name:	BBC International, Inc.		
Project Manager:	Cliff Brungson		
Address:	1324 W. Marland	State:	NM zip: 88240
City:	Hobbs	Phone #:	505-397-6388 Fax #: 505-397-0397
Project #:	MONUM 06ES001	Project Owner:	AmeradaHess
Project Name:	Dryx JL Bar		
Project Location:	Monument		
Contract Name:	0		
Company:	AmeradaHess		
Attn:	Randy Barnes		
Address:			
City:	Seminole		
State:	TX	Zip:	
Phone #:			
Fax #:			
P.O. #:	45-152156		
BILL TO			

[illegible]

PLEASE NOTE: Liberty and Demosprint Corporation's liability and clients' exclusive remedy for any claim arising out of or based in contract or tort, shall be limited to the amount paid by the client for the service. In no event shall Liberty and Demosprint be liable for incidental or consequential damages, including without limitation, business interruptions, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates, or customers. This limitation shall not apply to claims for personal injury, death, or property damage.

<p><b>Sampler Relinquished:</b></p>		<p><b>Date:</b></p>		<p><b>Received By:</b></p>	
<p><b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p><b>Add'l Phone #:</b></p>		<p><b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	
<p><b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p><b>Add'l Fax #:</b></p>		<p><b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	
<p><b>REMARKS:</b></p>					

## Closing samples

Relinquished By: <i>[Signature]</i>	Date: <i>3/30/06</i>	Received By: (Lab Staff)
Delivered By: (Circle One) <i>Driver</i>	Time: <i>3:20pm</i>	Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Dry <input type="checkbox"/> Leak <input type="checkbox"/> Gas <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/>
Sampler - UPS - Bus - Other:		CHECKED BY: (Initials)

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



# **APPENDIX III**

---

## **Site Photographs**

**Oryx JL Barr**  
Monument, New Mexico

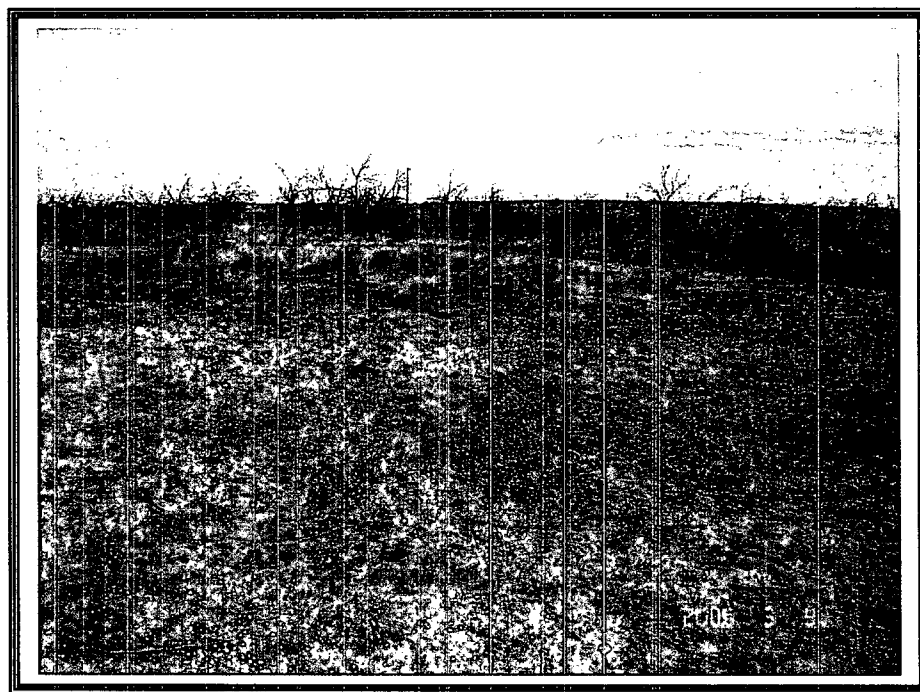
Prepared for:  
Amerada Hess Corporation  
Seminole, Texas

**May, 2006**

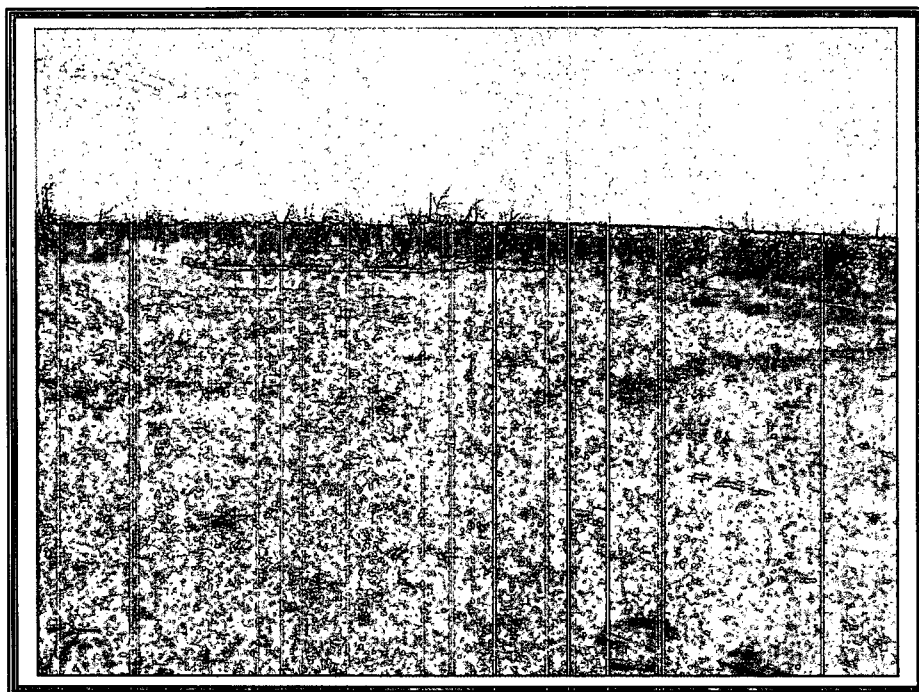
Prepared by:  
BBC International, Inc.



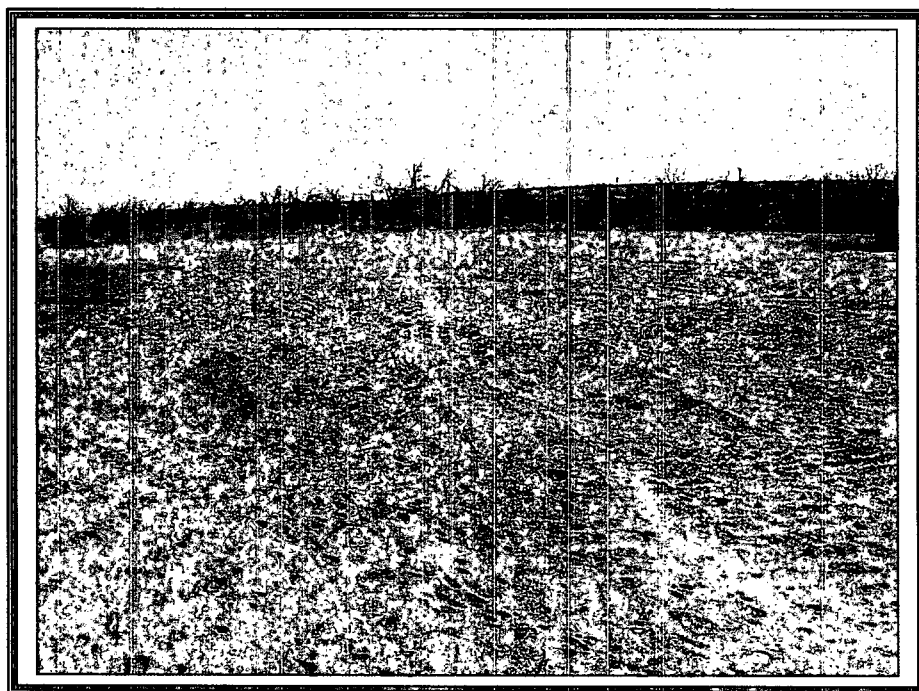
Oryx JL Barr before excavation



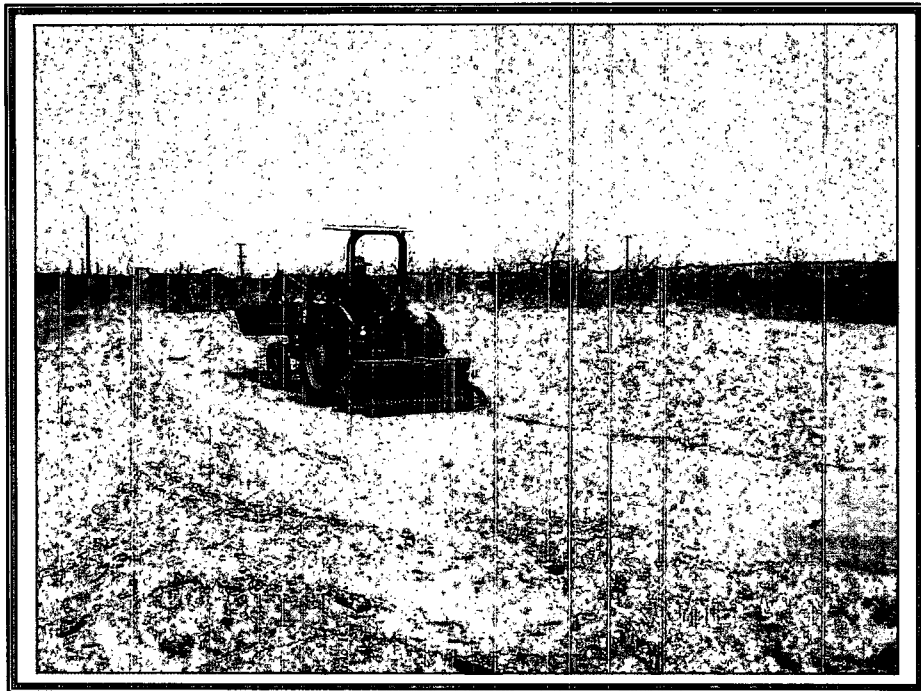
Oryx JL Barr before excavation



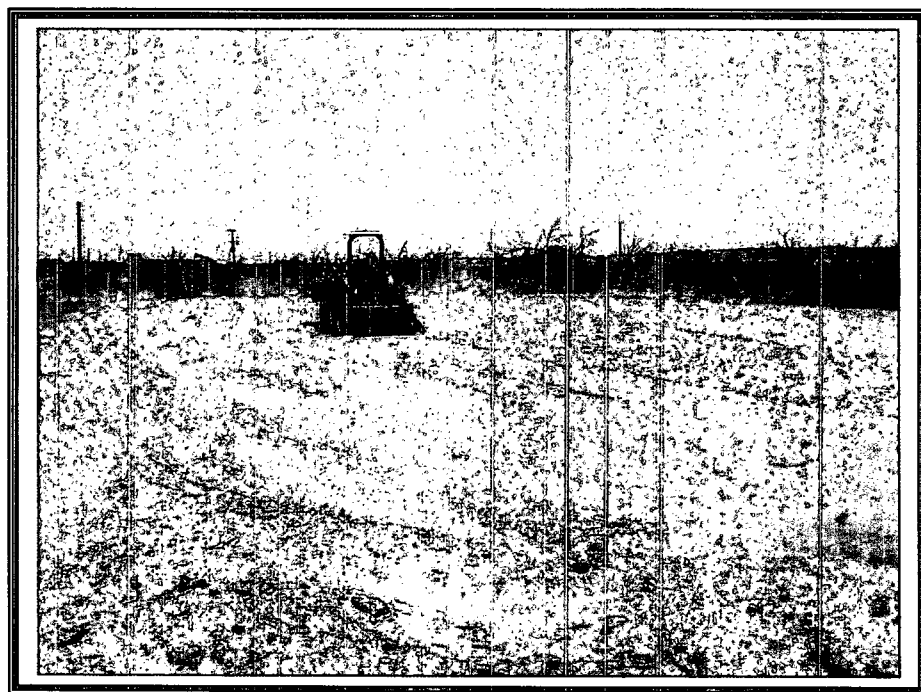
Oryx JL Barr after excavation



Oryx JL Barr after backfill



Oryx JL Barr seeding



Oryx JL Barr seeding

# APPENDIX IV

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## Correspondences

**Oryx JL Barr**  
Monument, New Mexico

Prepared for:  
Amerada Hess Corporation  
Seminole, Texas

**May, 2006**

Prepared by:  
BBC International, Inc.

**Amy C. Ruth**

---

**From:** Sheeley, Paul, EMNRD [paul.sheeley@state.nm.us]  
**Sent:** Tuesday, March 21, 2006 1:23 PM  
**To:** Amy C. Ruth  
**Subject:** RE: Correction: Sampling Event - Amerada Hess Abandoned Batteries

Thank you.

---

**From:** Amy C. Ruth [mailto:Amy@bbcinternational.com]  
**Sent:** Tue 3/21/2006 1:05 PM  
**To:** Sheeley, Paul, EMNRD  
**Cc:** rbarnes@hess.com; jbaker@hess.com; Jennifer; 'Cliff P. Brunson'  
**Subject:** Correction: Sampling Event - Amerada Hess Abandoned Batteries

In the email below, I listed the sites to be visited as *Oryx JL Bar* twice. The one listed at the bottom should be named the *Texaco Skelly F*.

Thanks

---

**From:** Amy C. Ruth [mailto:Amy@bbcinternational.com]  
**Sent:** Tuesday, March 21, 2006 12:01 PM  
**To:** 'psheeley@state.nm.us'  
**Cc:** 'rbarnes@hess.com'; 'jbaker@hess.com'; Jennifer (jgilkey@bbcinternational.com); 'Cliff P. Brunson'  
**Subject:** Sampling Event - Amerada Hess Abandoned Batteries

Paul,

BBC International, Inc. will take closing samples at the Amerada Hess abandoned battery *Oryx JL Bar* at 3:00 pm Thursday afternoon, March 23, 2006. The site is located northwest of the intersection of Maddox road and Pearl Valley at Monument, NM. Immediately following, BBC will proceed to the *Texaco Skelly F* site to collect closing samples from that location as well. The *Texaco Skelly F* is located east of the *Oryx JL Bar* across Maddox road. Following are legals and GPS coordinates for your convenience.

**Oryx JL Bar**

Unit Letter M, Sec 24, T-19S, R-36E

N 32° 38.537'  
W 103° 18.834'

**Oryx JL Bar**

Unit Letter G, Sec 20, T-19S, R-37E

N 32° 39.075'  
W 103° 16.727'

5/8/2006

***If you have questions, please give me a call.***

Thank you,

**Amy C. Ruth**  
Environmental Scientist  
BBC International, Inc.  
**Phone: 505-397-6388**  
**Cell: 505-441-5252**

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient (s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

5/8/2006

**Amy C. Ruth**

---

**From:** Barnes, Randy [RBarnes@Hess.com]  
**Sent:** Monday, April 24, 2006 7:01 AM  
**To:** Amy@bbcinternational.com  
**Subject:** FW: Closing Sampling Amerada Hess Abandoned Batteries

*Randy Barnes*  
Production Foreman  
Amerada Hess Corporation  
*rbarnes@hess.com*

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

**From:** Barnes, Randy  
**Sent:** Friday, March 24, 2006 9:34 AM  
**To:** 'psheeley@state.nm.us'  
**Cc:** Baker, Jay; 'jgikey@bbcinternational.com'; 'Amy@bbcinternational.com'  
**Subject:** Closing Sampling Amerada Hess Abandoned Batteries

BBC International, Inc. will take closing samples at the Amerada Hess abandoned battery Oryx JL Barr battery 13 at 8:00am Wednesday morning, March 29th, 2006. The site is located northwest of the intersection of Maddox road and Pearl Valley at Monument, NM.

Immediately following, BBC will proceed to the Texaco Skelly 'F' State battery 27 site to collect closing samples from that location as well. The Texaco 'F' is located east of the Oryx JL Barr across Maddox road or south on hwy, 8 approx. 5 miles and turn back to the west.

Immediately following, BBC will proceed to the Graham Laughlin Battery 82 site to collect closing samples from that location as well. BBC collected closing samples on March the 3rd from the bottom of the excavated area. Of those samples, all were under required limits with the exception of one sample at the southwest corner. This sample had a TPH-DRO level of 314ppm. Amerada Hess has excavated this area, and BBC will resample the floor of the southwest corner at this time. This site is located two miles south of Monument, NM and off of Highway 8 to the west.

The following are legals and GPS coordinates for your convenience. Please call me if you have questions. Thank you.

**Oryx JL Barr battery 13**  
Unit Letter M, Sec 24, T-19S, R-36E  
N 32 $\phi$ <sup>a</sup> 38.537'  
W 103 $\phi$ <sup>a</sup> 18.834'

5/8/2006



**TEXACO SKELLY 'F' STATE BATTERY**

Unit Letter G, Sec 20, T-19S, R-37E

N 32 $\phi^a$  39.075'

W 103 $\phi^a$  16.727'

**GRAHAM LAUGHLIN BATTERY 82**

Unit Letter P, Sec 5, T-20S, R-37E

N 32 $\phi^a$  35.780'

W 103 $\phi^a$  16.205'

*Randy Barnes*

Production Supervisor

Amerada Hess Corporation

*rbarnes@hess.com*

432-209-4240

**Amy C. Ruth**

---

**From:** Barnes, Randy [RBarnes@Hess.com]  
**Sent:** Monday, April 24, 2006 7:00 AM  
**To:** Amy@bbcinational.com  
**Subject:** FW: Closing

*Randy Barnes*  
Production Foreman  
Amerada Hess Corporation  
*rbarnes@hess.com*

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

**From:** Barnes, Randy  
**Sent:** Thursday, April 06, 2006 7:21 AM  
**To:** 'psheeley@state.nm.us'  
**Cc:** 'Amy@bbcinational.com'; Baker, Jay  
**Subject:** Closing

Paul

We have gotten all of our closing samples back from the lab and all are within NMOCD guidelines. We will begin closing (back filling) the Oryx JL Barr and the Texaco Skelly 'F' State on Monday the 10th of April. If you have any questions please call me.

432-209-4240

Oryx JL Barr  
Unit letter M, Sec 24, T-19S, R-36E  
N 32 degrees 38.537'  
W 103 degrees 18.834'

Texaco Skelly 'F' State  
Unit letter G, Sec 20, T-19S, R-37E  
N 32 degrees 39.075'  
W 103 degrees 16.727'

*Randy Barnes*  
Production Foreman  
Amerada Hess Corporation  
*rbarnes@hess.com*

5/8/2006

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

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

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

Name of Company	Amerada Hess Corporation	Contact	Randy Barnes
Address	P.O. Box 840, Seminole, TX 79360	Telephone No.	(432) 758-6778
Facility Name	Oryx JL Barr	Facility Type	Abandoned Tank Battery
Surface Owner	Mineral Owner	Lease No.	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	24	19S	36E					

69' Latitude 32° 38.538' Longitude 103° 18.834'

**NATURE OF RELEASE**

Type of Release	Historical	Volume of Release	Unknown	Volume Recovered	Unknown
Source of Release	Unknown	Date and Hour of Occurrence	Date and Hour of Discovery		
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required		If YES, To Whom?		
By Whom?			Date and Hour		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If YES, Volume Impacting the Watercourse.		

If a Watercourse was Impacted, Describe Fully.\*

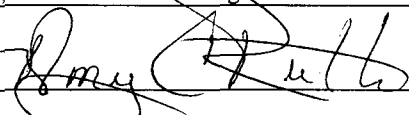
Describe Cause of Problem and Remedial Action Taken.\*

Hydrocarbon contamination of soil by oil production activities. Site investigation was conducted in preparation for cleanup activities. Multiple soil samples were collected and sent to a laboratory for analyses. A remediation plan was developed.

Describe Area Affected and Cleanup Action Taken.\*

Contaminated soil was removed from the site and taken to a NMOCD approved landfarm. Before backfilling, closing samples were collected to confirm compliance to guidelines. The site was backfilled with clean soil, contoured, and reseeded.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Amy C. Ruth		Approved by District Supervisor:	
Title: Environmental Scientist		Approval Date:	Expiration Date:
E-mail Address: amy@bbcinternational.com		Conditions of Approval:	
Date: 5/10/06 Phone: (505) 397-6388		Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary