



HESS CORPORATION

TEXACO KEOHANE "A" BATTERY No. 6 LEA COUNTY, NEW MEXICO

SITE CLOSURE REPORT

PREPARED BY:

BBC INTERNATIONAL, INC.
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May 4, 2007

PREPARED FOR:

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

Facility - PPAC 0714236884
Incident - PPAC 0714237001
Application - PPAC 0714237067



R1#1338

Hess Corporation

Texaco Keohane "A" Battery No. 6

1.0 INTRODUCTION

The subject site is north of Monument, New Mexico in Lea County in Unit Letter C, of Section 18, Township 19 South, and Range 37 East. The site is an abandoned tank battery, which had an associated pit. The contamination at the former battery site was due to historical operation of the battery and the associated pit, which occurred prior to unitization of the North Monument Grayburg San Andres Unit (NMGSAU) in 1991, when the battery was decommissioned. Hess Corporation (Hess) sent a generic 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 52,550 square feet. The associated pit is located on the north side of the battery. There are no water sources 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, the average depth to groundwater is greater than 50 feet below ground surface. Bedrock in the Monument area is very shallow and it is approximately one foot below the surface of the topsoil.

3.0 SITE ACTIVITIES

Hess retained SWEATT Construction (SWEATT) to excavate the site and haul contaminated soil to landfarms approved by NMOCD. BBC International, Inc. (BBC) was also retained by Hess to manage the remediation and collect soil samples for laboratory analysis.

BBC performed a preliminary scan for naturally occurring radioactive materials (NORM) on June 14, 2006. Soil containing NORM was identified in the northeastern part of the site and was verified by a NORM waste specialist. On August 29, 2006, 15 barrels of soil containing NORM was shipped to a Resource Conservation and Recovery Act (RCRA) facility licensed to accept exempt oilfield waste containing NORM. See Appendix I for site diagrams depicting the location of areas to be excavated, sample points, and the location of soil containing NORM.

On July 10, 2006, Hess advanced a soil boring (SB1) in the center of the associated pit located north of the battery. Soil samples were field screened for chloride content and a headspace analysis for volatile organic compounds (VOC's) was performed with a photoionization detector (PID). Samples were collected from the boring at three (3) feet below ground surface (bgs), five (5) feet bgs and every five (5) feet thereafter until PID and chloride screens showed constituent levels below NMOCD guidelines. The samples were sent to a laboratory and analyzed for total petroleum hydrocarbons (TPH) – gasoline range organics (GRO)/diesel range organics (DRO), chloride, and benzene-toluene-ethylbenzene-xylene (BTEX). Two soil samples from SB1 were submitted to a laboratory. The sample labeled SB1 @ 20' was collected from twenty (20) feet bgs. GRO was 66.1 parts per million (ppm), and DRO was 1,100 ppm. Chloride, benzene, and toluene were non-detect, ethylbenzene was 0.180 ppm and total xylenes were 0.049 ppm. The sample labeled SB1 @ 24' was collected from twenty four (24) feet bgs. Laboratory analyticals can be found in **Appendix II**, site photographs can be viewed in **Appendix III**, and drilling logs can be viewed in **Appendix V**.

Excavation began at the former location of the tanks on December 12, 2006. On December 19, 2006 BBC collected a composite sample of the spoils pile and a sample of the east floor of the excavation. The soil sample labeled Keohane Spoils was non-detect for GRO, DRO, chloride and benzene. Toluene was 0.011 ppm, ethylbenzene was 0.016 ppm, and total xylenes were 0.038 ppm. The soil sample labeled Keohane East 4' was taken from the floor of the east end of the tank battery excavation. GRO was non-detect, DRO was 533 ppm, chloride was 64 ppm, and BTEX was non-detect.

The tank battery excavation was extended further to the west. On January 3, 2007, four (4) additional samples were collected from along the floor. The first three (3) samples collected, labeled Keohane 1 @ 4', Keohane 2 @ 4', and Keohane 3 @ 4', were non-detect for GRO/DRO and ranged from non-detect to 32 ppm chlorides. Benzene was non-detect for all three (3) samples, toluene ranged from non-detect to 0.009 ppm, ethylbenzene ranged from non-detect to 0.007 ppm, and total xylenes ranged from non-detect to 0.027 ppm. The last sample labeled Keohane 4 @ 4' was collected in the immediate vicinity of the former location of the tanks. GRO was 42.3 ppm, DRO was 3,230 ppm, chloride was non-detect, and BTEX was non-detect.

Excavation also began at the associated pit located north of the tank battery excavation. On January 29, 2007, when the pit reached a depth of ten (10) feet bgs, two samples were collected from within the pit and one sample was collected from a location in the northwest floor of the tank battery excavation. The sample labeled Pit W 10' was collected from the floor on the west side of the associated pit. GRO was 237 ppm, DRO was 1,580 ppm, chloride and benzene were non-detect, toluene was 0.397 ppm, ethylbenzene was 0.433 ppm, and total xylenes were 3.15 ppm. The sample labeled Pit E 10' was collected from

the floor on the east side of the associated pit. GRO was 529 ppm, DRO was 3,180 ppm, chloride and benzene were non-detect, toluene was 0.418 ppm, ethylbenzene was 0.552 ppm, and total xylenes were 3.36 ppm. The third sample, labeled Battery NW 8', was collected from the floor of the tank battery. GRO/DRO, chloride, and BTEX were non-detect.

The associated pit was excavated a further two (2) feet and eight (8) samples were collected from the site on February 7, 2007: two (2) from the associated pit excavation and six (6) from the tank battery excavation. The first sample, labeled W Pit 12', was collected from the west floor of the twelve (12) foot associated pit excavation. GRO was 297 ppm, DRO was 1,660 ppm, chloride and benzene were non-detect, toluene was 0.244 ppm, ethylbenzene was 0.094 ppm, and total xylenes were 2.60 ppm. The second sample, labeled E Pit 12', was collected from the east floor of the associated pit excavation. GRO was 77.0 ppm, DRO was 1,440 ppm, chloride was non-detect, benzene was 0.027 ppm, toluene was 0.174 ppm, ethylbenzene was 0.249 ppm, and total xylenes were 0.687 ppm. The remaining six samples were collected from the floor of the tank battery excavation were at or below NMOCD guidelines with the exception of the Battery NW 7' sample for which GRO was 379 ppm, DRO was 4,410 ppm, chloride and benzene were non-detect, toluene was 0.030 ppm, ethylbenzene was 0.088 ppm, and total xylenes were 0.516 ppm. The elevated levels of constituents in this area were most likely due to an accumulation of soil from the associated pit excavation activities.

The area of the Battery NW 7' sample was excavated an additional foot and, as expected, resampling of the area on February 19, 2007 showed that GRO/DRO and BTEX were non-detect and chloride was 48 ppm.

Hauling was completed on February 21, 2007. A total of 22,512 cubic yards of contaminated soil were hauled to a NMOCD approved landfarms located in Monument, NM.

On February 21, 2007 NMOCD approved the backfill and closure of the site after reviewing soil sample laboratory analytical results. NMOCD approval by email correspondence can be reviewed in Appendix IV.

Backfilling and contouring of the site was completed on March 30, 2007 with a total of 21,116 cubic yards of clean soil. The clay liner in the associated pit totaled 480 cubic yards. Both the associated pit and tank battery excavations were backfilled with 10,796 cubic yards of caliche to three (3) feet bgs. The remaining volume was completed with 9,840 cubic yards of topsoil and contoured to grade. The site will be reseeded.

4.0 CONCLUSION

According to the Office of the State Engineer and the United States Geological Survey, depth to groundwater is less than 50 feet. There are no water sources and no 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

Site Diagrams

Texaco Keohane “A” Battery #6 Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

May, 2007

Prepared by:
BBC International, Inc.

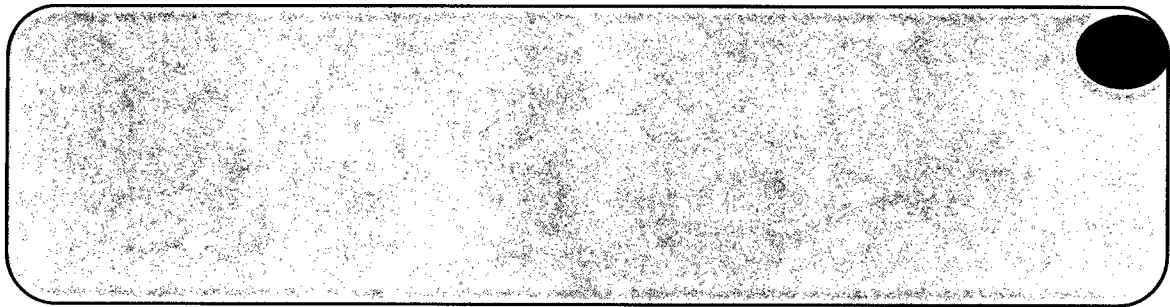
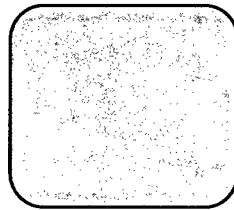
HESS CORPORATION TEXACO KEOHANE "A"

Battery No. 6

Removal of NORM, August 29, 2006



Associated Pit



Tank Battery

LEGEND



Area to be excavated



Location of soil containing NORM

BBC INTERNATIONAL, INC.

HESS CORPORATION
Texaco Keohane "A" Battery No.6

Date: 4-30-07

Drawn By: AR

Disk:

Sheet 1 of 1 Sheets

Scale: Not to Scale

File Name

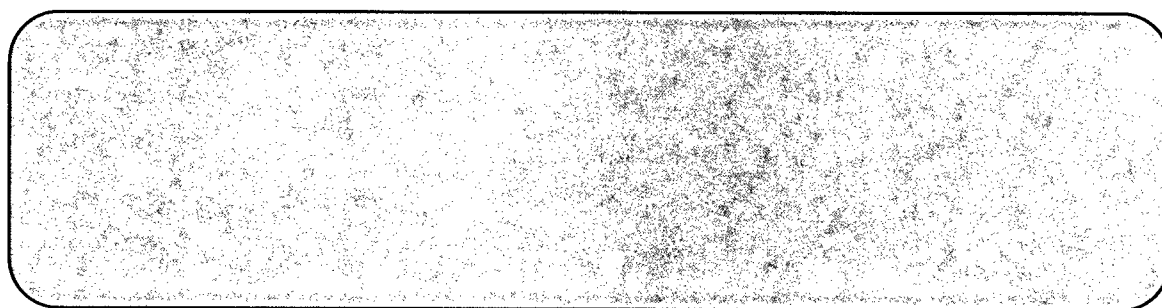
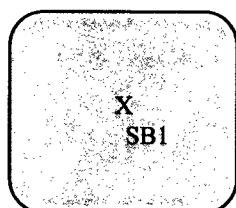
HESS CORPORATION TEXACO KEOHANE "A"



Battery No. 6

Drilling and Sampling Event - July 10, 2006

Associated Pit



Tank Battery

LEGEND

X Soil Boring

☐ Area to be excavated

BBC INTERNATIONAL, INC.

HESS CORPORATION
Texaco Keohane "A" Battery No.6

Date: 5-1-07

Drawn By: AR

Disk:

Sheet 1 of 1 Sheets

Scale: Not to Scale

File Name

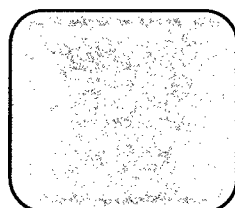
HESS CORPORATION TEXACO KEOHANE "A"

Battery No. 6

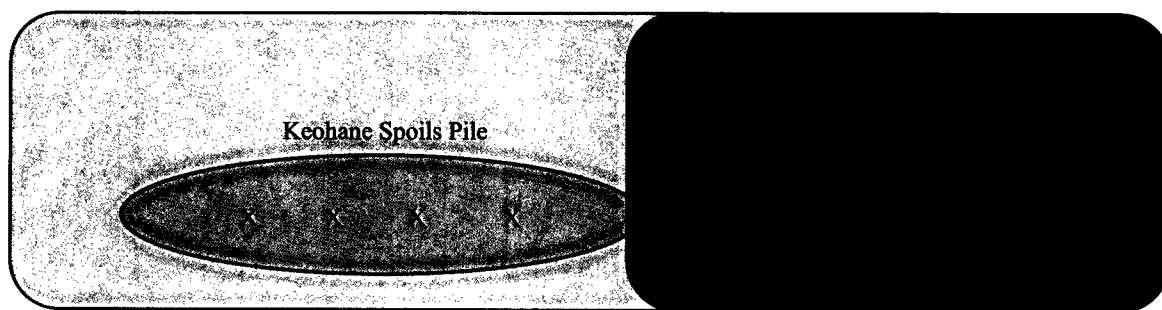
Sampling Event – December 19, 2006



Associated Pit





Keohane Spoils Pile



Tank Battery

LEGEND

- X Sample Points
-  Area to be excavated
-  Excavated to 4 feet below ground surface

BBC INTERNATIONAL, INC.

HESS CORPORATION
Texaco Keohane "A" Battery No. 6

Date: 5-1-07

Drawn By: AR

Disk:

Sheet 1 of 1 Sheets

Scale: Not to Scale

File Name

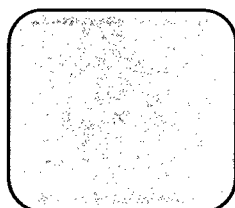
HESS CORPORATION TEXACO KEOHANE "A"



Battery No. 6

Sampling Event – January 3, 2007

Associated Pit



Tank Battery

LEGEND

X Sample Points



Area to be excavated



Excavated to 4 feet below ground surface

BBC INTERNATIONAL, INC.

HESS CORPORATION
Texaco Keohane "A" Battery No.6

Date: 5-1-07

Drawn By: AR

Disk:

Sheet 1 of 1 Sheets

Scale: Not to Scale

File Name

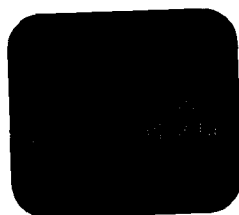
HESS CORPORATION TEXACO KEOHANE "A"



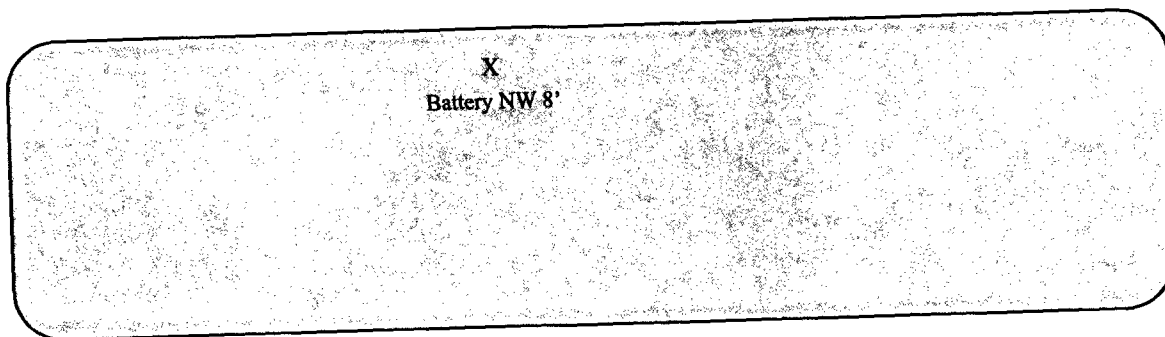
Battery No. 6

Sampling Event – January 29, 2007

Associated Pit



X
Battery NW 8'



Tank Battery Excavation

LEGEND

X Sample Points



Excavated to 8 feet below ground surface



Excavated to 10 feet below ground surface

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HESS CORPORATION
Texaco Keohane "A" Battery No.6

Date: 5-1-07

Drawn By: AR

Disk:

Sheet 1 of 1 Sheets

Scale: Not to Scale

File Name

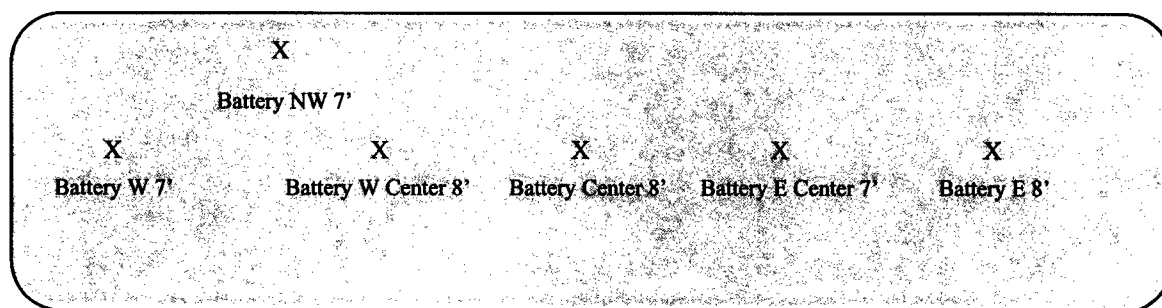
HESS CORPORATION TEXACO KEOHANE "A"



Battery No. 6



Sampling Event – February 7, 2007

Associated Pit



Tank Battery Excavation

LEGEND

- X Sample Points
-  Excavated to 8 feet below ground surface
-  Excavated to 12 feet below ground surface

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HESS CORPORATION
Texaco Keohane "A" Battery No.6

Date: 5-1-07

Drawn By: AR

Disk:

Sheet 1 of 1 Sheets

Scale: Not to Scale

File Name

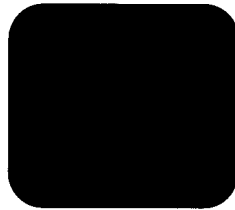
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Battery No. 6

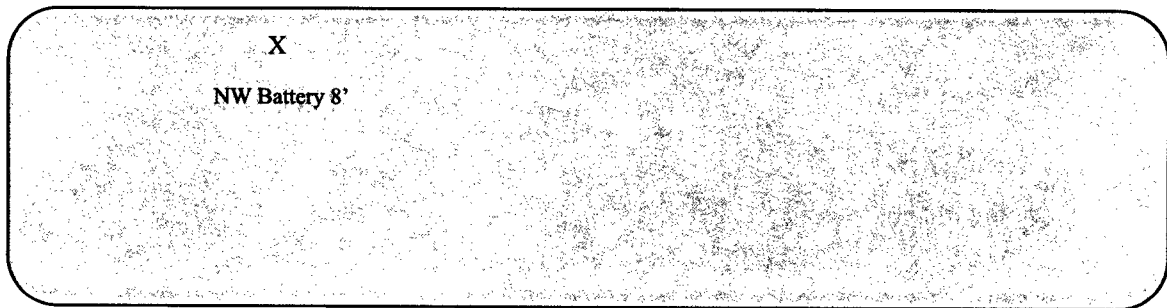
Sampling Event – February 19, 2007

Associated Pit



X

NW Battery 8'



Tank Battery Excavation

LEGEND

X Sample Points



Excavated to 8 feet below ground surface



Excavated to 12 feet below ground surface

BBC INTERNATIONAL, INC.

HESS CORPORATION
Texaco Keohane "A" Battery No.6

Date: 5-1-07

Drawn By: AR

Disk:

Sheet 1 of 1 Sheets

Scale: Not to Scale

File Name

APPENDIX II

Laboratory Analytical Results

Texaco Keohane “A” Battery #6 Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

May, 2007

Prepared by:
BBC International, Inc.



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ATTN: CLIFF BRUNSON
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HOBBS, NM 88241
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Receiving Date: 07/10/06
Reporting Date: 07/12/06
Project Owner: HESS CORP.
Project Name: TEXACO KEOHANE A BATTERY #6
Project Location: MONUMENT, NM

Sampling Date: 07/10/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS DATE		07/11/06	07/11/06	07/11/06
H11329-1	SB1 @ 20'	66.1	1100	<16
H11329-2	SB1 @ 24'	<10.0	383	<16
Quality Control		776	807	1000
True Value QC		800	800	1000
% Recovery		95.7	101	100
Relative Percent Difference		3.4	8.9	1.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B

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

Chemist

Date

H11329A

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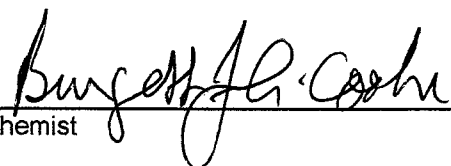
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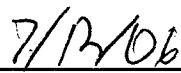
Receiving Date: 07/10/06
Reporting Date: 07/12/06
Project Owner: HESS CORP.
Project Name: TEXACO KEOHANE A BATTERY #6
Project Location: MONUMENT, NM

Sampling Date: 07/10/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		07/11/06	07/11/06	07/11/06	07/11/06
H11329-1	SB1 @ 20'	<0.005	<0.005	0.180	0.049
H11329-2	SB1 @ 24'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.093	0.094	0.094	0.281
True Value QC		0.100	0.100	0.100	0.300
% Recovery		93.3	94.4	93.8	93.8
Relative Percent Difference		9.3	7.3	8.5	3.9

METHOD: EPA SW-846 8260


Chemist


Date

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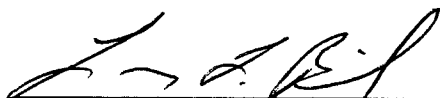
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Reporting Date: 12/28/06
Project Owner: AMERADA HESS
Project Name: TEXACO KEOHANE A BATTERY 6
Project Location: MONUMENT, NM

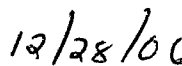
Sampling Date: 12/19/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC/AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		12/28/06	12/28/06	12/21/06
H11925-1	KEOHANE SPOILS	<10.0	<10.0	<16
H11925-2	KEOHANE EAST 4'	<10.0	533	64
Quality Control		780	811	500
True Value QC		800	800	500
% Recovery		97.5	101	100
Relative Percent Difference		2.6	1.6	4.0

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

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


Chemist


Date

H11925A

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Receiving Date: 12/20/06
Reporting Date: 12/28/06
Project Owner: AMERADA HESS
Project Name: TEXACO KEOHANE A BATTERY 6
Project Location: MONUMENT, NM

Sampling Date: 12/19/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: LB

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		12/27/06	12/27/06	12/27/06	12/27/06
H11925-1	KEOHANE SPOILS	<0.005	0.011	0.016	0.038
H11925-2	KEOHANE EAST 4'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.098	0.102	0.105	0.339
True Value QC		0.100	0.100	0.100	0.300
% Recovery		98.2	101	97.9	0.113
Relative Percent Difference		3.2	1.6	2.5	2.6

METHOD: EPA SW-846 8021B


Larry L. Bailey

12/28/06
Date

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Page 1 of 1

Company Name: BBC International Project Manager: Cliff Branson Address: 1324 W. Maryland City: Hobbs State: NM Zip: 88240 Phone #: 505-347-6388 Fax #: 505-347-0397 Project #: Project Name: Texaco Keohane A Battery Monument Project Location: Monument Sampler Name: Amy Ruth		P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #: Project Owner: Hess		BILL TO	
Lab I.D.		Sample I.D.			
H11925-1 Keohane Spoils -2 Keohane East 4'		(G)RAB OR (C)OMP. <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 1 # CONTAINERS			
MATRIX		PRESERV.		SAMPLING	
GROUNDWATER WASTEWATER SOIL CRUDE OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME	
<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		12/19/06 1330 12/19/06 1422	
Sample I.D.		Sample I.D.		TPH 8015 MOD BTX Chloride	
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Sampler Relinquished: <i>[Signature]</i> Relinquished By:		Date: 12/20/06 Time: 1349 Date: Time:		Received By: <i>[Signature]</i> Received By: (Lab Staff)	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Checked By: <i>[Signature]</i> (Initials)	

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HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 01/03/07
Reporting Date: 01/04/07
Project Owner: HESS
Project Name: TEXACO KEOHANE A BATTERY 6
Project Location: MONUMENT, NM

Sampling Date: 01/03/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: BC/HM

LAB NO.	SAMPLE ID	GRO	DRO	Cl*
		(C ₆ -C ₁₀)	(>C ₁₀ -C ₂₈)	
		(mg/Kg)	(mg/Kg)	(mg/Kg)
ANALYSIS DATE		01/04/07	01/04/07	01/03/07
H11963-1	KEOHANE 1 @ 4'	<10.0	<10.0	16
H11963-2	KEOHANE 2 @ 4'	<10.0	<10.0	<16
H11963-3	KEOHANE 3 @ 4'	<10.0	<10.0	32
H11963-4	KEOHANE 4 @ 4'	42.3	3230	<16
Quality Control		749	732	490
True Value QC		800	800	500
% Recovery		93.6	91.5	98.0
Relative Percent Difference		2.6	2.0	1.2

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

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


Chemist


Date

H11963A

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.



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

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

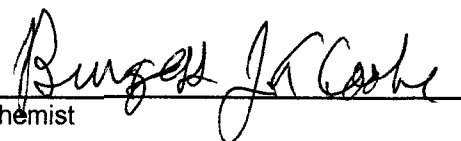
ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

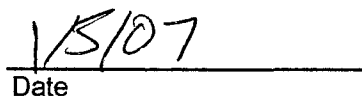
Receiving Date: 01/03/07
Reporting Date: 01/05/07
Project Owner: HESS
Project Name: TEXACO KEOHANE A BATTERY 6
Project Location: MONUMENT, NM

Sampling Date: 01/03/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		01/04/07	01/04/07	01/04/07	01/04/07
H11963-1	KEOHANE 1 @ 4'	<0.005	0.009	0.007	0.027
H11963-2	KEOHANE 2 @ 4'	<0.005	<0.005	<0.005	<0.015
H11963-3	KEOHANE 3 @ 4'	<0.005	<0.005	<0.005	<0.015
H11963-4	KEOHANE 4 @ 4'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.096	0.096	0.099	0.296
True Value QC		0.100	0.100	0.100	0.300
% Recovery		95.7	96.1	99.4	98.7
Relative Percent Difference		6.1	4.9	4.5	1.0

METHOD: EPA SW-846 8260


Chemist


Date

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2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2478

Age: 21/17 Brunson
324 W. Maryland

05-397-6388 Fax #: 505-397-0397

Texaco Keokuk H Battery Co

to: Amy Ruth

Sample I.D.

111963-1	Keeshane 1 @ 4'
-2	Keeshane 2 @ 4'
-3	Keeshane 3 @ 4'
-4	Keeshane 4 @ 4'

Terms and Conditions: Interest will be charged on accounts more than 30 days past due at the rate of 2 1/2% per annum less the original date of invoice, and all costs of collection. The City Attorney's fees.

service. In no event shall Central be liable for material or consequential damages, including without limitation, lost profits, lost data, or otherwise, arising out of or in connection with the use of the above stated service or otherwise.

Received By:

Time:

Received By: (Lab Staff)

Date: 1/3/07

Time: 1345

Delivered By: (Circle One)

-Sampler - UPS - Bus - Other:

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



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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

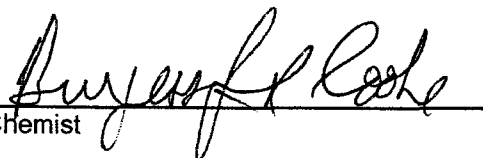
Receiving Date: 01/29/07
Reporting Date: 01/30/07
Project Owner: HESS
Project Name: TEXACO KEOHANE BATTERY 6
Project Location: MONUMENT, NM

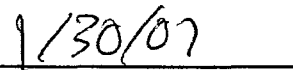
Sampling Date: 01/29/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		01/29/07	01/29/07	01/29/07
H12103-1	PIT W 10'	237	1580	<16
H12103-2	PIT E 10'	529	3180	<16
H12103-3	BATTERY NW 8'	<10.0	<10.0	<16
Quality Control		761	800	500
True Value QC		800	800	500
% Recovery		95.1	100	100
Relative Percent Difference		4.4	3.5	4.0

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

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


Chemist


Date

H12103A

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.



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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: 01/29/07
Reporting Date: 01/30/07
Project Owner: HESS
Project Name: TEXACO KEOHANE BATTERY 6
Project Location: MONUMENT, NM

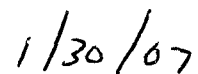
Sampling Date: 01/29/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: LB

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		01/29/07	01/29/07	01/29/07	01/29/07
H12103-1	PIT W 10'	<0.050 *	0.397	0.433	3.15
H12103-2	PIT E 10'	<0.050 *	0.418	0.552	3.36
H12103-3	BATTERY NW 8'	<0.002	<0.002	<0.002	<0.006
Quality Control		0.094	0.093	0.094	0.298
True Value QC		0.100	0.100	0.100	0.300
% Recovery		94.1	93.2	94.0	98.8
Relative Percent Difference		13.1	11.0	11.1	11.0

*Increased detection limit due to sample dilution.

METHOD: EPA SW-846 8021 B


Chemist


Date

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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

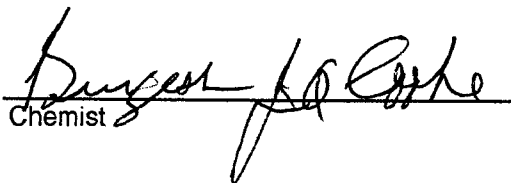
Receiving Date: 02/08/07
Reporting Date: 02/09/07
Project Owner: HESS
Project Name: TEXACO KEOHANE A BATTERY 6
Project Location: MONUMENT, NM

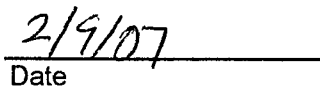
Sampling Date: 02/07/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		02/09/07	02/09/07	02/08/07
H12166-1	W. PIT 12'	297	1660	<16
H12166-2	E. PIT 12'	77.0	1440	<16
H12166-3	BATTERY NW 7'	379	4410	<16
H12166-4	BATTERY W 7'	<10.0	21.3	<16
H12166-5	BATTERY W CENTER 8'	<10.0	103	80
H12166-6	BATTERY CENTER 8'	<10.0	<10.0	16
H12166-7	BATTERY E CENTER 7'	<10.0	<10.0	32
H12166-8	BATTERY E 8'	<10.0	<10.0	96
Quality Control		763	785	490
True Value QC		800	800	500
% Recovery		95.4	98.2	98.0
Relative Percent Difference		9.0	4.2	0.0

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

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


Chemist


Date

H12166A

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.



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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: 02/08/07
Reporting Date: 02/09/07
Project Owner: HESS
Project Name: TEXACO KEOHANE A BATTERY 6
Project Location: MONUMENT, NM

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

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		02/08/07	02/08/07	02/08/07	02/08/07
H12166-1	W. PIT 12'	<0.010 *	0.244	0.094	2.60
H12166-2	E. PIT 12'	0.027	0.174	0.249	0.687
H12166-3	BATTERY NW 7'	<0.004 *	0.030	0.088	0.516
H12166-4	BATTERY W 7'	<0.002	<0.002	<0.002	<0.006
H12166-5	BATTERY W CENTER 8'	<0.002	<0.002	<0.002	<0.006
H12166-6	BATTERY CENTER 8'	<0.002	<0.002	<0.002	<0.006
H12166-7	BATTERY E CENTER 7'	<0.002	<0.002	<0.002	<0.006
H12166-8	BATTERY E 8'	<0.002	<0.002	<0.002	<0.006
Quality Control		0.108	0.102	0.106	0.327
True Value QC		0.100	0.100	0.100	0.300
% Recovery		108	102	106	109.0
Relative Percent Difference		5.3	4.5	4.4	6.2

*Increased detection limits due to sample dilutions.

METHOD: EPA SW-846 8021 B


Chemist

2/9/07
Date

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.

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 (915) 673-7001 Fax (915) 673-7020 (505) 393-2325 Fax (505) 393-2478

Page 1 of 1

ANALYSIS REQUEST										
BILL TO										
Company Name: BBC 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 #: Project Owner: Hobbs										
Project Name: Texas Keohane A Battery Co										
Project Location: Monument, NM										
Sampler Name: Amy Ruth										
FOR LAB USE ONLY										
Lab I.D.	Sample I.D.	(G) PAB OR (C) OMP.	# CONTAINERS	GROUNDEWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	
									ACID/BASE	
									ICE / COOL	
									OTHER:	
									DATE	
									TIME	
12166-1	W Pit 12'	G 1	1						2/7/07	1446
2	E Pit 12'	G 1	1						2/7/07	1450
3	Battery NW 7'	G 1	1						2/7/07	1454
4	Battery W 7'	G 1	1						2/7/07	1500
5	Battery W Center 8'	G 1	1						2/7/07	1503
6	Battery Center 8'	G 1	1						2/7/07	1506
7	Battery E Center 7'	G 1	1						2/7/07	1510
8	Battery E 8'	G 1	1						2/7/07	1512
<p>PLEASE NOTE: Liberty and Dominion, Cardinal's liability and chain of custody remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims involving issues for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 90 days after completion of the analysis. In no event shall Cardinal be liable for intentional or consequential damages, including without limitation, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or associated parties resulting from the performance of services provided by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>										
<p>Time and Conditions: All work will be charged on a per sample basis. 30 days prior date at the time of 24% per month from the original date of analysis. In all cases of collection, the day of delivery is final.</p>										
<p>Received By: Amy Ruth Date: 2/8/07 Time: 8:45</p>										
<p>Received By: (Lab Staff) Amy S. Mayo</p>										
<p>Delivered By: (Circle One)</p>										
<p>Sampler - UPS - Bus - Other:</p>										
<p>REMARKS: Priority ASAP</p>										

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



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

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

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


Receiving Date: 02/19/07
Reporting Date: 02/20/07
Project Owner: HESS
Project Name: TEXACO KEOHANE A BATTERY 6
Project Location: MONUMENT, NM

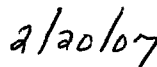
Sampling Date: 02/19/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: LB
Analyzed By: BC/AB

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		02/20/07	02/20/07	02/20/07
H12216-1	NW BATTERY 8'	<10.0	<10.0	48
Quality Control		817	775	500
True Value QC		800	800	500
% Recovery		102	96.8	100
Relative Percent Difference		0.2	4.3	1.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B

*Analysis performed on a 1:4 w:v aqueous extract.


Chemist


Date

H12216A

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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: 02/19/07
Reporting Date: 02/20/07
Project Owner: HESS
Project Name: TEXACO KEOHANE A BATTERY 6
Project Location: MONUMENT, NM

Sampling Date: 02/19/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: LB
Analyzed By: LB

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		02/19/07	02/19/07	02/19/07	02/19/07
H12216-1	NW BATTERY 8'	<0.002	<0.002	<0.002	<0.006
Quality Control		0.097	0.093	0.093	0.295
True Value QC		0.100	0.100	0.100	0.300
% Recovery		97.2	93.3	93.7	98.2
Relative Percent Difference		7.4	7.1	6.9	6.8

METHOD: EPA SW-846 8021 B

Chemist

Date

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. ~~Cardinal~~ 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.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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) 393-2478

Company Name: <u>BBC International, Inc.</u>		P.O. #:		ANALYSIS REQUEST	
Project Manager: <u>Cliff Brunson</u>		Company: <u>Hess Corp</u>			
Address: <u>1324 W. Marland</u>		Attn: <u>[Signature]</u>			
City: <u>Hobbs</u>		Address: <u>[Signature]</u>			
State: <u>NM</u> Zip: <u>88240</u>		City: <u>Seminole</u>			
Phone #: <u>505-397-6388</u> Fax #: <u>505-397-0397</u>		State: <u>OK</u> Zip: <u></u>			
Project #:		Project Owner: <u>Hess</u>			
Project Name: <u>Texaco Keohane A Battery Co</u>		Phone #:			
Project Location: <u>Monument</u>		Fax #:			
Sampler Name: <u>Amy Ruth</u>					

FOR LAB USE ONLY		LABORATORY USE ONLY	
Lab I.D.	Sample I.D.	DATE	TIME
<u>H12016-1 NW Battery 8'</u>	<u>81</u>	<u>2/19/07</u>	<u>1400</u>
		ICE / COOL	OTHER:
		<input checked="" type="checkbox"/>	<u>Chloride</u>
		ACID/BASE:	OTHER:
		<input type="checkbox"/>	<u>BTEX</u>
		SLUDGE	OTHER:
		CRUDE OIL	OTHER:
		SOIL	OTHER:
		WASTEWATER	OTHER:
		GROUNDWATER	OTHER:
		# CONTAINERS	OTHER:
		(G)FAB OR (C)OMP.	OTHER:

PLEASE NOTE: Liability and Damages. Cardinal's liability and third-party liability for any claim arising out of this contract shall be limited to the amount paid by the client for the analysis. In no event shall Cardinal be liable for consequential or special damages, including without limitation, business interruption, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions. All work will be charged on a non-refundable basis. 30 days prior to the date of 30% per invoice from the original date of invoice, and all costs of collection, including attorney's fees.

Sampler Relinquished: _____ Date: _____ Time: _____

Received By: _____ Date: _____ Time: _____

Relinquished By: _____ Date: 2/19/07 Time: 1355

Delivered By: (Circle One)

Sampler - UPS - Bus - Other: _____

Sample Condition: Cool ☒ Intact ☒ Yes ☐ No ☐

Checked By: _____ (Initials)

REMARKS: RUSH

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

APPENDIX III

Site Photographs

Texaco Keohane "A" Battery #6 Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

May, 2007

Prepared by:
BBC International, Inc.



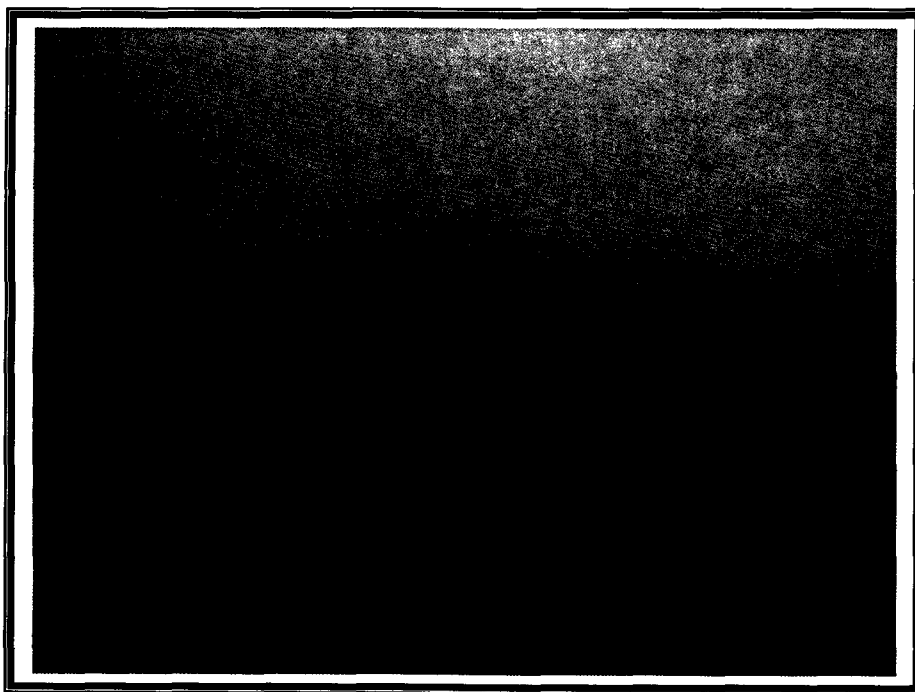
East end of Texaco Keohane "A" Battery 6



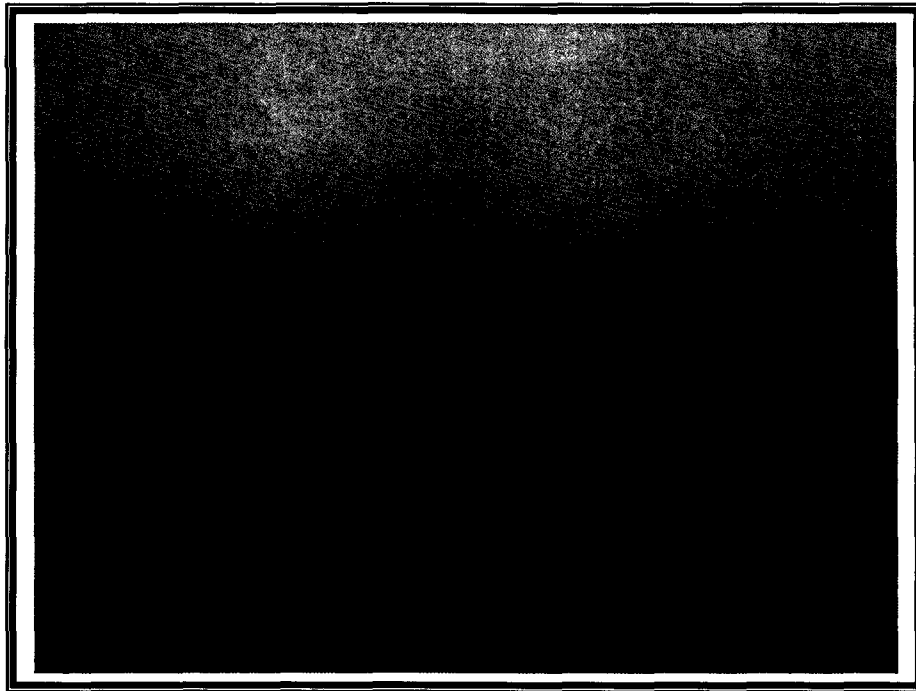
Texaco Keohane "A" Battery 6



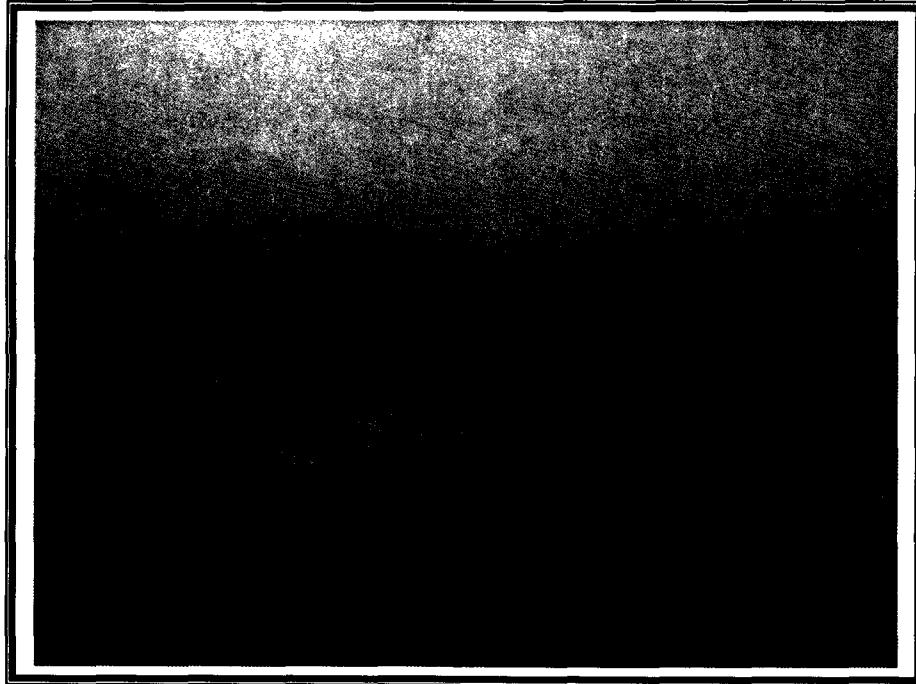
West end of Texaco Keohane "A" Battery 6



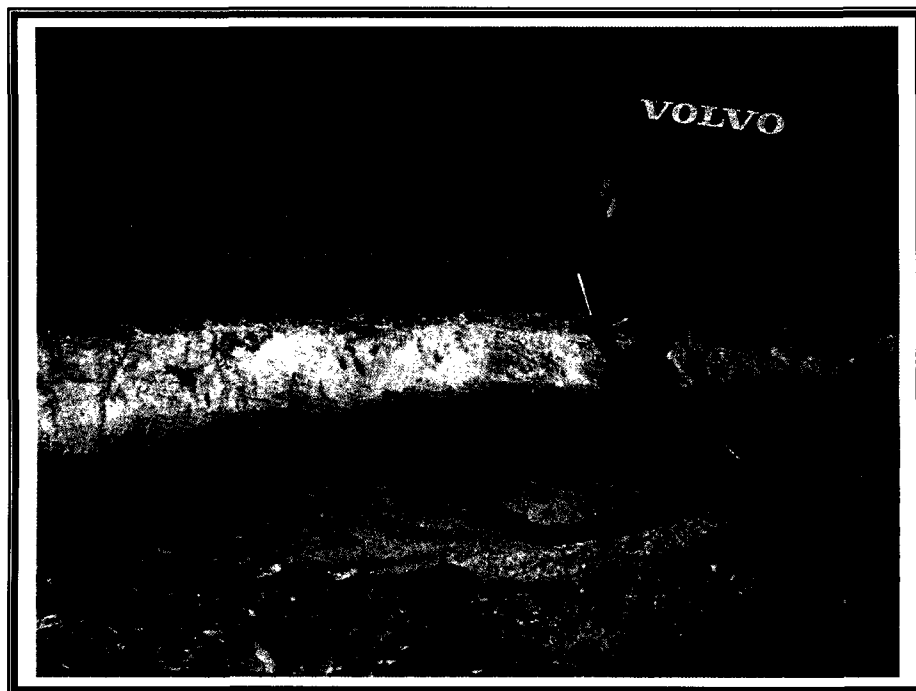
East end of battery excavation



Central portion of battery excavation in foreground and view of
associated pit to the north (background)



West end of battery excavation



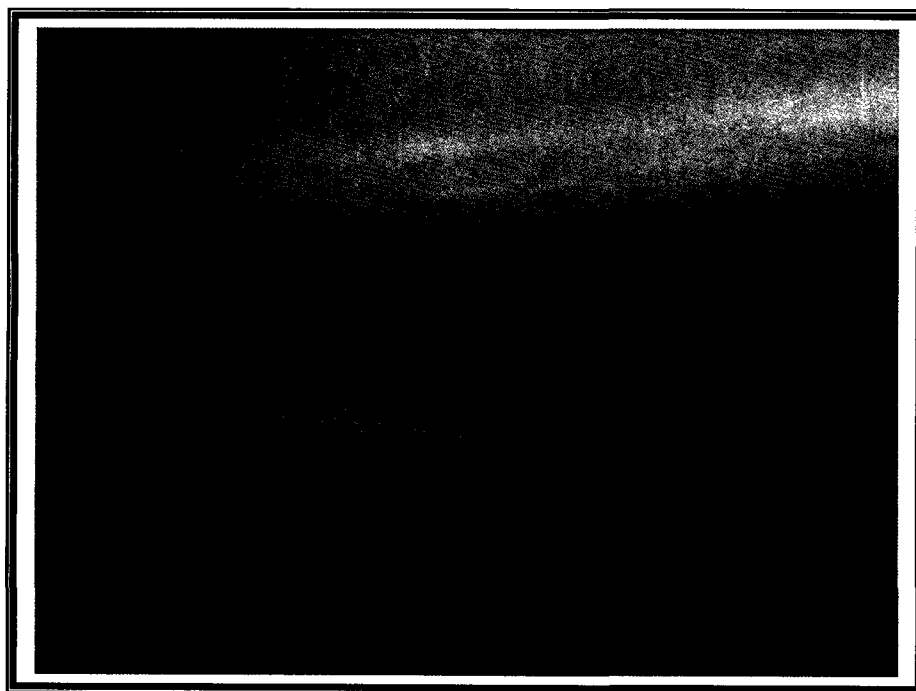
Associated pit excavation



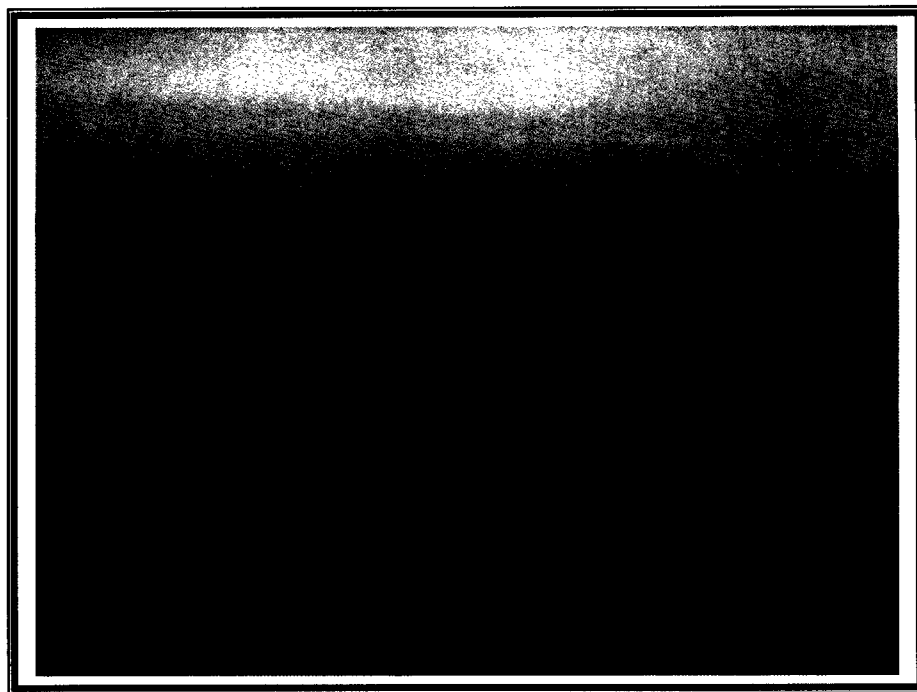
Clay liner inside associated pit excavation



Clay liner inside associated pit excavation



West end of battery after backfill



Central portion of battery and associated pit area after backfill



East end of battery after backfill

APPENDIX IV

Correspondences

Texaco Keohane “A” Battery #6 Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

May, 2007

Prepared by:
BBC International, Inc.

Amy C. Ruth

From: Williams, Chris, EMNRD [chris.williams@state.nm.us]

Sent: Wednesday, February 21, 2007 1:38 PM

To: amy@bbcinternational.com

Ok to backfill the Keohane A Battery #6. Chris

Chris Williams
District 1 Supervisor

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5/4/2007

APPENDIX V

Drilling Log

Texaco Keohane "A" Battery #6 Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

May, 2007

Prepared by:
BBC International, Inc.

EADES DRILLING AND PUMP SERVICE

1200 East Bender Blvd.
Hobbs, New Mexico 88240
(505) 392-2457

Client: BBC International
Site: Texaco KEOHANE A Battery #6
Well/Boring ID: 5B-1

WELL LOG

[illegible]

DATE: 07/10/2006 DRILLER: Alan G. Eades - WD1044

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

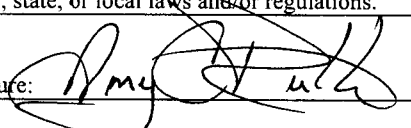

Name of Company	Hess Corporation	Contact	Randy Barnes
Address	P.O. Box 840, Seminole, TX 79360	Telephone No.	(432) 758-6778
Facility Name	Texaco Keohane "A" Battery #6	Facility Type	Abandoned Tank Battery
Surface Owner	Jim Cooper	Mineral Owner	
		Lease No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	18	19S	37E					

Latitude 32° 18.966' Longitude 103° 12.860'

NATURE OF RELEASE

Type of Release	Historical	Volume of Release	Unknown	Volume Recovered	Unknown
Source of Release	Unknown	Date and Hour of Occurrence	Unk	Date and Hour of Discovery	Unknown
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required				
By Whom?	If YES, To Whom?				
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
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. A generic remediation plan was developed.					
Describe Area Affected and Cleanup Action Taken.* Soil containing naturally occurring radioactive materials was removed and taken to a licensed RCRA disposal facility. Hydrocarbon contaminated soil was removed from the site and taken to a NMOCD approved landfarm. Before backfilling, samples were collected to confirm compliance to guidelines. The site was backfilled with clean soil, contoured, and will be 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: 		OIL CONSERVATION DIVISION			
Printed Name: Amy C. Ruth		Approved by District Supervisor: 			
Title: Environmental Scientist		Approval Date:		Expiration Date:	
E-mail Address: amy@bbccinternational.com		Conditions of Approval:		Attached <input type="checkbox"/>	
Date: 5/1/07		Phone: (505) 397-6388			

* Attach Additional Sheets If Necessary