



HESS CORPORATION

TEXACO JW COOPER BATTERY No. 43 LEA COUNTY, NEW MEXICO

SITE CLOSURE REPORT

PREPARED BY:

BBC INTERNATIONAL, INC.
WORLD-WIDE ENVIRONMENTAL SPECIALISTS
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May 10, 2007

PREPARED FOR:

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

RP# 1339
facility - PRACC 713637239
incident - PRACC 713638070
application - PRACC 713638160

Hess Corporation

Texaco JW Cooper Battery No. 83

1.0 INTRODUCTION

The subject site is north of Monument, New Mexico in Lea County in west half of the northeast quarter, of Section 5, Township 20 South, and Range 37 East. The site is an abandoned tank battery. 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 156,000 square feet. 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 less 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

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

On January 24, 2007, three (3) soil borings were advanced at the site and BBC collected soil samples for laboratory analysis. 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).

The first soil boring, SB1, was placed in the center of the associated pit located at the north end of the site. All site diagrams depicting sample points can be found in **Appendix I**. Five (5) samples were collected from SB1. The samples nearest the surface, labeled SB1-4' and SB1-6', were non-detect for GRO/DRO and BTEX. Chloride was at or less than 16 parts per million (ppm). SB1-8.5' contained 193 ppm GRO, 6,520 ppm DRO, less than 16 ppm chloride, 0.127 ppm benzene, 0.303 ppm toluene, 0.309 ppm ethylbenzene, and 1.21 ppm total xylenes. Laboratory analyticals can be found in **Appendix II**, site photographs can be viewed in **Appendix III**, and drilling logs can be found in **Appendix V**. SB1-15' and SB1-20' were non-detect for GRO and BTEX. SB1-15' contained

175 ppm DRO and 64 ppm chloride. SB1-20' contained 65.5 ppm DRO and 304 ppm chloride.

SB2 was placed in the center of the tank pad at the south end of the site. Four (4) samples were collected from SB2 from seven (7) feet below ground surface (bgs) to twenty (20) feet bgs. All four (4) samples were non-detect for GRO/DRO, chloride, and BTEX.

SB3 was placed in the northeast corner of the site, east and just north of SB1. Two (2) samples were collected from SB3 at seven (7) and ten (10) feet bgs. Both samples were non-detect for GRO/DRO, chloride, and BTEX.

Excavation began at the south end of the site along the west edge. On February 8, 2007, BBC collected six (6) soil samples from the floor of the excavation at six (6) feet bgs. The samples were within guidelines with the exception of the northernmost sample, labeled N 6', and the southernmost sample, labeled SE 6'. The sample N 6' was non-detect for GRO and chloride, DRO was 554 ppm, benzene was 0.004 ppm, toluene was 0.006 ppm, ethylbenzene was 0.012 ppm, and total xylenes were 0.107 ppm. The sample SE 6' was non-detect for GRO, chloride, and BTEX, however DRO was 212 ppm.

The remaining southeast quarter of the site was excavated to six (6) feet bgs as well. The associated pit on the north side of the site was excavated to fifteen (15) feet bgs. On March 9, 2007, BBC collected a sample from the floor of the associated pit. This sample, labeled North Pit 15', contained 404 ppm GRO, 3,330 ppm DRO, 16 ppm chloride, 0.116 ppm ethylbenzene, and 0.664 ppm total xylenes.

The central part of the site was further excavated to eight (8) to ten (10) feet bgs and the associated pit excavation was advanced to within 10 feet of an active buried gas line running east/west through the site. Hydrocarbon contamination extended into the north wall of the associated pit, however excavation could not extend any further north due to the presence of the gas line. On March 21, 2007, three (3) additional soil borings were advanced at the site to delineate the extent of hydrocarbon impacts within the associated pit and north of the gas line.

SB4 was placed thirty (30) feet north of the gas line. Five (5) samples were collected from three (3) feet bgs to twenty (20) feet bgs. GRO ranged from non-detect at three (3) feet to 541 ppm at ten (10) feet, and down to 13.7 ppm at twenty (20) feet bgs. DRO showed the same trend going from 21.1 ppm at three (3) feet to 6,370 ppm at ten (10) feet to 848 ppm at twenty (20) feet bgs. Chloride was non-detect to 16 ppm throughout the profile. Benzene was detected at 0.007 ppm and 0.008 ppm at five (5) and ten (10) feet bgs respectively. Toluene was also detected at five (5) and ten (10) feet bgs at 0.006 ppm and 0.008 ppm.

SB5 was placed thirty (30) feet north of SB4 to delineate the boundary of contamination. One sample was collected from five (5) feet bgs. All parameters were non-detect or well within NMOCD guidelines.

SB6 was placed in the bottom of the associated pit. Three (3) samples were collected from the soil boring at depths of twenty (20) feet, twenty five (25) feet, and thirty (30) feet bgs. GRO ranged from 920 ppm in sample SB6 20', 86.7 ppm in SB6 25', to non-detect in SB6 30'. DRO was 7,890 ppm in SB6 20', 1,260 ppm in SB6 25', and 78.4 ppm in SB6 30'. Chloride was non-detect to 32 ppm. Toluene was present in SB6 20' at 0.007 ppm. Ethylbenzene was present in SB6 20' and SB6 25' at 0.169 ppm and 0.014 ppm respectively. Total xylenes were also present only in SB6 20' and SB6 25' at 0.994 ppm and 0.089 ppm respectively.

On April 5, 2007, BBC collected 8 samples from the excavation in the central section which was eight (8) to ten (10) feet bgs and the east half of the tank battery area to confirm levels of constituents. All samples were non-detect for GRO and BTEX. DRO ranged from non-detect in three (3) samples to 112 ppm with the exception of the sample labeled SC 6' in which DRO was 349 ppm. Chloride ranged from non-detect in three samples to 96 ppm.

On April 12, 2007, NMOCD reviewed soil sample laboratory analytical results and verbally approved the backfill of this site with several conditions. Hess would be required to excavate the area in the vicinity of SB4 located north of the gas line to ten (10) feet bgs and remove the contaminated soil to a NMOCD approved landfarm and line the remaining excavation with 30-mil plastic before backfilling. Hess would also be required to line the associated pit with 30-mil plastic before backfilling.

A total of 24,072 cubic yards of contaminated soil were hauled to NMOCD approved landfarms located in Monument, NM.

Backfilling and contouring of the site was completed on May 1, 2007 with a total of 25,452 cubic yards of clean soil. The north excavation and associated pit were lined with topsoil before and after installation of the plastic to prevent rupture of the liners by caliche rock in the floor of the excavations. The excavation was backfilled with caliche to three (3) feet bgs. The remaining volume to the surface was completed with 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. NMOCD issued a site closure approval letter which was received on March 9, 2007. The approval letter can be found in **Appendix IV**.

APPENDIX I

Site Diagrams

Texaco JW Cooper Battery No. 83 Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

May, 2007

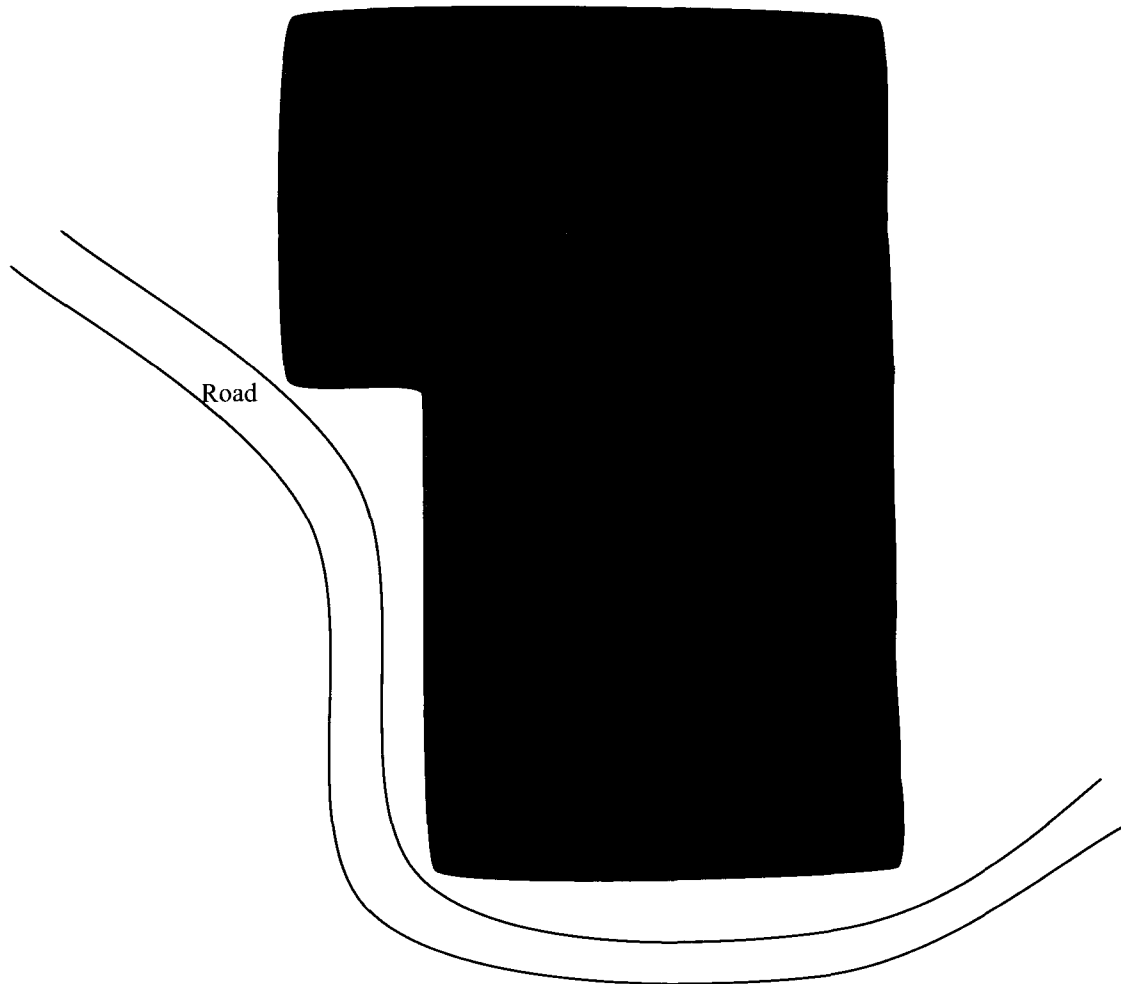
Prepared by:
BBC International, Inc.

HESS CORPORATION TEXACO JW COOPER



Battery No. 83

Drilling and Sampling Event – January 24, 2007



LEGEND

- X Soil Borings
- Area to be excavated

BBC INTERNATIONAL, INC.

HESS CORPORATION
Texaco JW Cooper Battery No.83

Date: 5-10-07

Drawn By: AR

Disk:

Sheet 1 of 1 Sheets

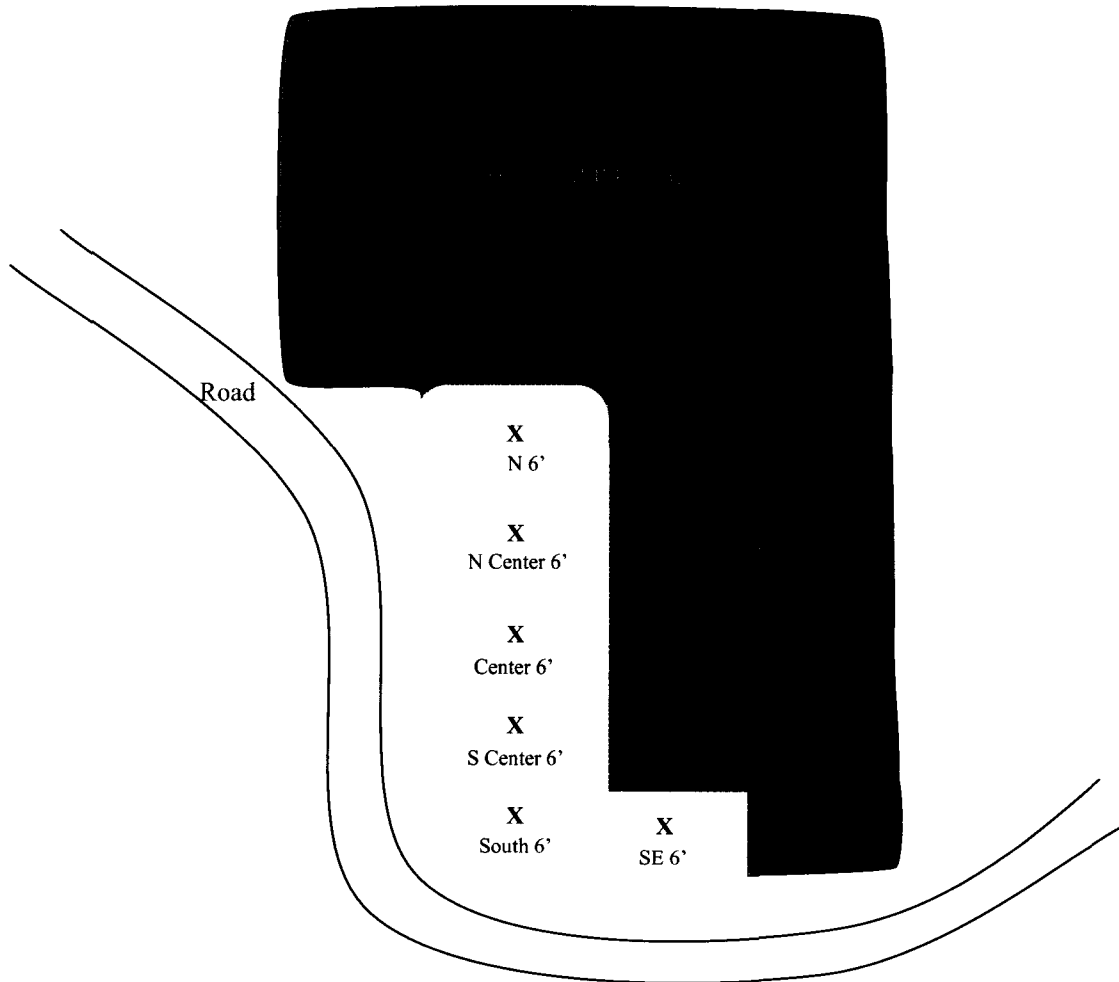
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File Name

HESS CORPORATION TEXACO JW COOPER

Battery No. 83

Sampling Event – February 8, 2007



LEGEND

X Sample Points

■ Area to be excavated

□ Excavated to 6 feet below ground surface

BBC INTERNATIONAL, INC.

HESS CORPORATION
Texaco JW Cooper Battery No.83

Date: 5-10-07

Drawn By: AR

Disk:

Sheet 1 of 1 Sheets

Scale: Not to Scale

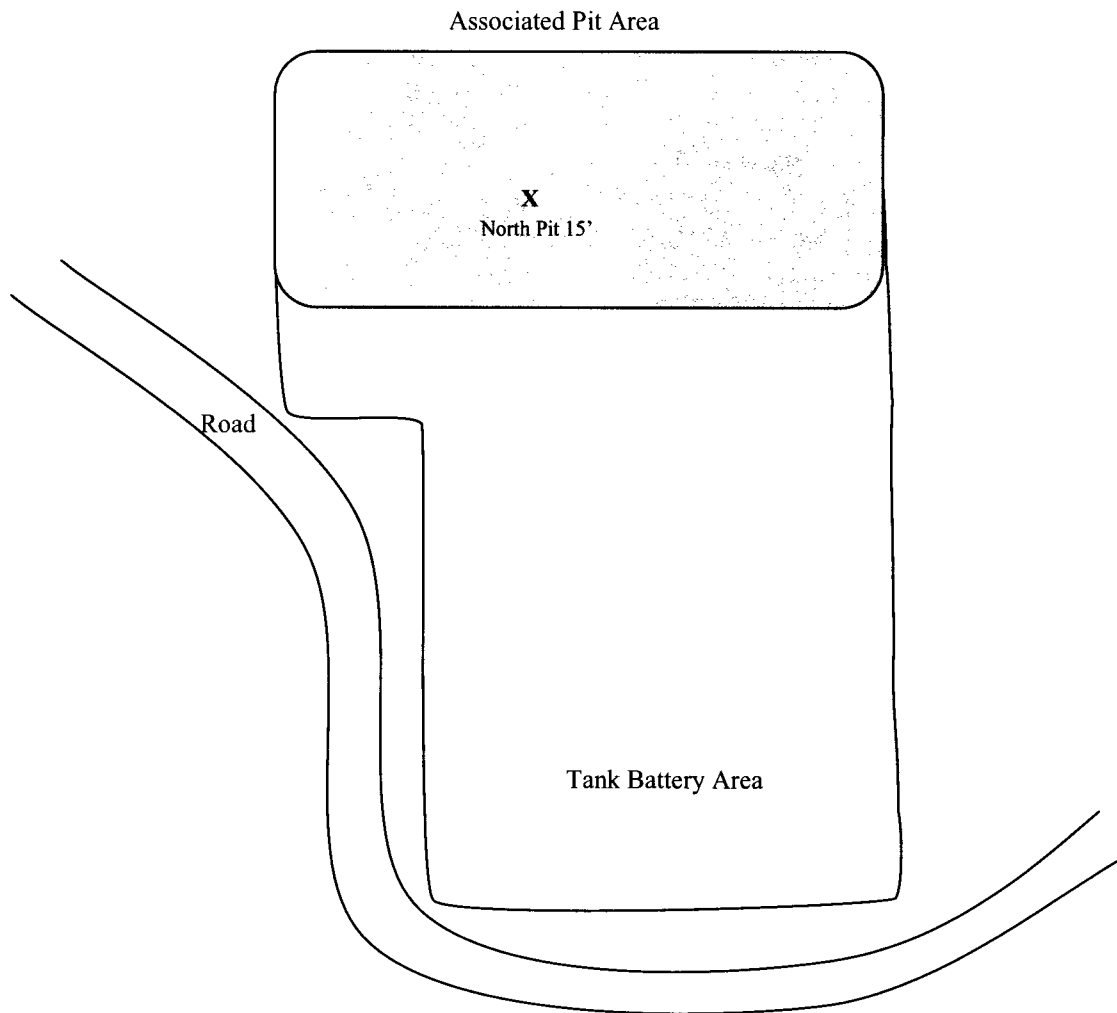
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HESS CORPORATION TEXACO JW COOPER



Battery No. 83

Sampling Event – March 9, 2007



LEGEND

X Sample Points

☐ Excavated to 6 feet below ground surface

☐ Excavated to 15 feet below ground surface

BBC INTERNATIONAL, INC.

HESS CORPORATION
Texaco JW Cooper Battery No.83

Date: 5-9-07

Drawn By: AR

Disk:

Sheet 1 of 1 Sheets

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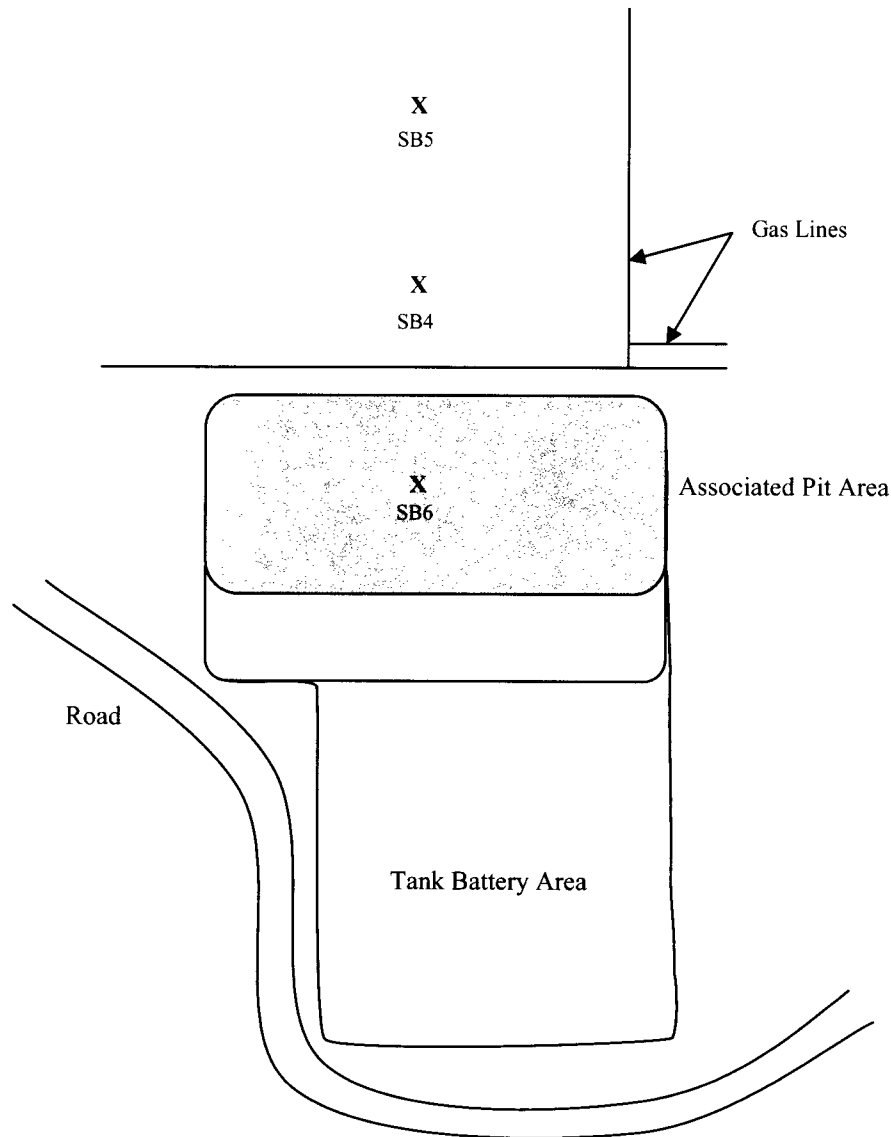
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HESS CORPORATION TEXACO JW COOPER



Battery No. 83

Drilling and Sampling Event – March 21, 2007



LEGEND

X Soil Borings



Excavated to 6 feet below ground surface



Excavated 8 to 10 feet below ground surface



Excavated to 15 feet below ground surface

BBC INTERNATIONAL, INC.

HESS CORPORATION
Texaco JW Cooper Battery No.83

Date: 5-10-07

Drawn By: AR

Disk:

Sheet 1 of 1 Sheets

Scale: Not to Scale

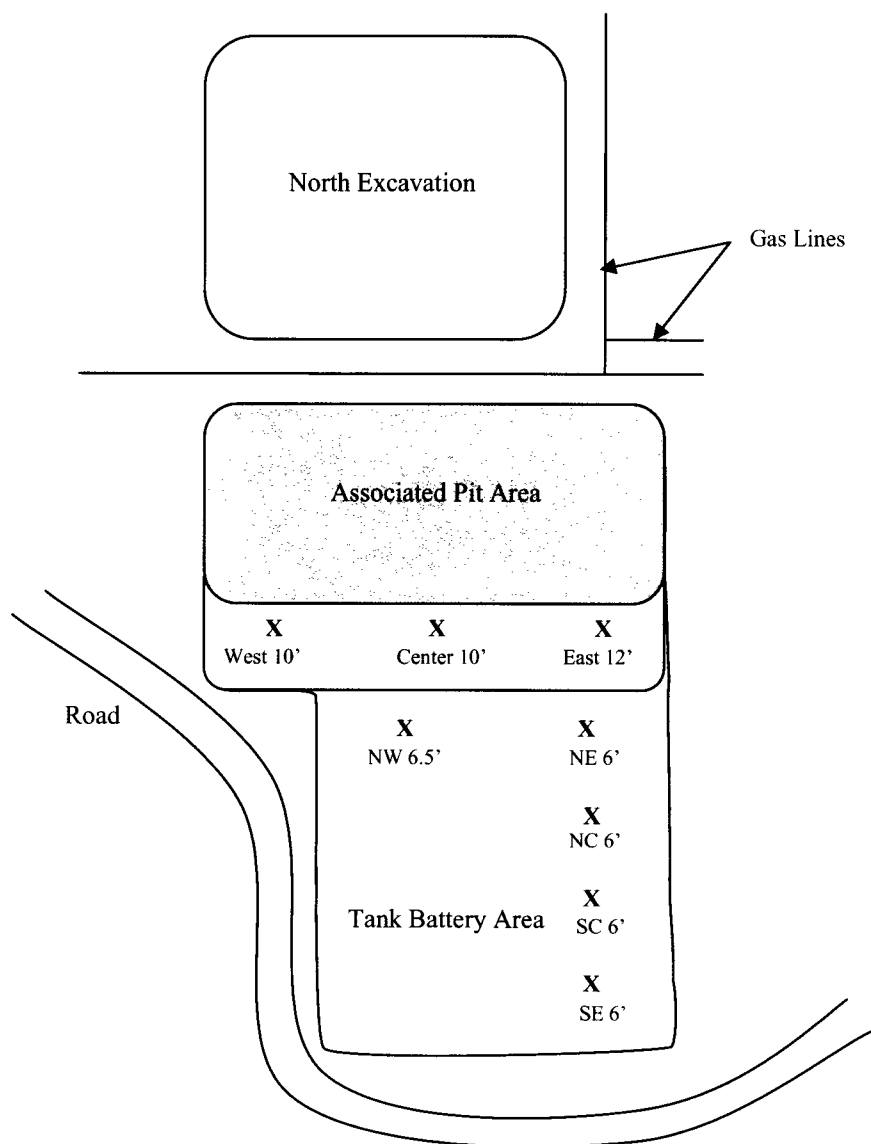
File Name

HESS CORPORATION TEXACO JW COOPER



Battery No. 83

Sampling Event – April 5, 2007



LEGEND

X Soil Borings

- ☐ Excavated to 6 feet below ground surface
- ☐ Excavated 8 to 10 feet below ground surface
- ☐ Excavated to 15 feet below ground surface

BBC INTERNATIONAL, INC.

HESS CORPORATION
Texaco JW Cooper Battery No.83

Date: 5-10-07

Drawn By: AR

Disk:

Sheet 1 of 1 Sheets

Scale: Not to Scale

File Name

APPENDIX II

Laboratory Analytical Results

Texaco JW Cooper Battery No. 83
Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

May, 2007

Prepared by:
BBC International, Inc.



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

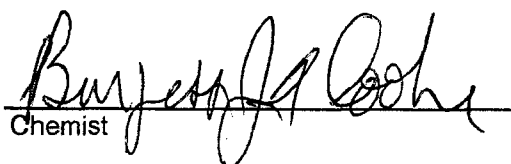
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Project Location: MONUMENT, NM

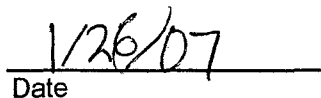
Sampling Date: 01/24/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: BC/AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		01/25/07	01/25/07	01/25/07
H12079-1	SB1-4'	<10.0	<10.0	<16
H12079-2	SB1-6'	<10.0	<10.0	16
H12079-3	SB1-8.5'	193	6520	<16
H12079-4	SB1-15'	<10.0	175	64
H12079-5	SB1-20'	<10.0	65.5	304
H12079-6	SB2-7'	<10.0	<10.0	<16
H12079-7	SB2-10'	<10.0	<10.0	<16
H12079-8	SB2-15'	<10.0	<10.0	<16
H12079-9	SB2-20'	<10.0	<10.0	<16
H12079-10	SB3-7'	<10.0	<10.0	<16
H12079-11	SB3-10'	<10.0	<10.0	<16
Quality Control		761	800	480
True Value QC		800	800	500
% Recovery		95.1	100	96.0
Relative Percent Difference		4.4	3.5	4.1

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

H12079A

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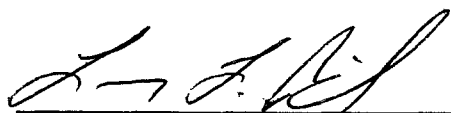
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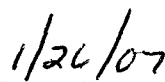
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Reporting Date: 01/26/07
Project Owner: HESS
Project Name: TEXACO JW COOPER BATTERY #83
Project Location: MONUMENT, NM

Sampling Date: 01/24/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: LB

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		01/25/07	01/25/07	01/25/00	01/25/07
H12079-1	SB1-4'	<0.002	<0.002	<0.002	<0.006
H12079-2	SB1-6'	<0.002	<0.002	<0.002	<0.006
H12079-3	SB1-8.5'	0.127	0.303	0.309	1.21
H12079-4	SB1-15'	<0.002	<0.002	<0.002	<0.006
H12079-5	SB1-20'	<0.002	<0.002	<0.002	<0.006
H12079-6	SB2-7'	<0.002	<0.002	<0.002	<0.006
H12079-7	SB2-10'	<0.002	<0.002	<0.002	<0.006
H12079-8	SB2-15'	<0.002	<0.002	<0.002	<0.006
H12079-9	SB2-20'	<0.002	<0.002	<0.002	<0.006
H12079-10	SB3-7'	<0.002	<0.002	<0.002	<0.006
H12079-11	SB3-10'	<0.002	<0.002	<0.002	<0.006
Quality Control		0.109	0.105	0.105	0.330
True Value QC		0.100	0.100	0.100	0.300
% Recovery		109	105	105	110
Relative Percent Difference		7.1	6.6	6.9	7.5

METHOD: EPA SW-846 8021 B


Chemist


Date

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ARDINAL LABORATORIES, INC.

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Page 1 of 2

ANALYSIS REQUEST

Company Name: BBG International, Inc.		P.O. #:	
Project Manager: Cliff Brungton		Company:	
Address: 1324 W. Maryland		Attn:	
City: Hobbs		State: NM Zip: 88240	
Phone #: 505-397-6388		Fax #: 505-397-0397	
Project #:		Project Owner: Heggs	
Project Name: Texaco JW Cooper Battery #83		City: ✓ Zip: ✓	
Project Location: Monument		State: ✓	
Project Manager: ✓		Phone #: ✓	
		Fax #: ✓	

Sampler Name:	FOR LAB USE ONLY		MATRIX	PRESERV.	SAMPLING	
			# CONTAINERS	(G)FAB OR (C)OMP.		
			GROUNDWATER	WASTEWATER		
			SOIL	CRUDE OIL		
			SLUDGE	OTHER :		
				ACID/BASE:		
				ICE / COOL		
				OTHER :		
				DATE	TIME	
H 1209-1	SB1 - 4'	G	1	✓	1/24/07	1051
-2 SB1 - 6'	G	1	✓	✓	1/24/07	1101
-3 SB1 - 8.5'	G	1	✓	✓	1/24/07	1120
-4 SB1 - 15'	G	1	✓	✓	1/24/07	1132
-5 SB1 - 20'	G	1	✓	✓	1/24/07	1140
-6 SB2 - 7'	G	1	✓	✓	1/24/07	1415
-7 SB2 - 10'	G	1	✓	✓	1/24/07	1426
-8 SB2 - 15'	G	1	✓	✓	1/24/07	1434
-9 SB2 - 20'	G	1	✓	✓	1/24/07	1457
		G	1	✓	1/24/07	1550

Terms and Conditions: It will not be charged an account more than 90 days past due at the rate of 2% per annum from the original date of billing, and all costs of collection, including attorney's fees.

Sample Relinquished: 		Date: 1/24/07	Time: 1:30	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By: 		Date: 1/25/07	Time: 8:40 AM	Received By: (Lab Staff) 	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) 		Sample Condition: Cool <input checked="" type="checkbox"/> Impact <input type="checkbox"/>		CHECKED BY: (Initials) 	

+ Card/nal cannot accept verbal changes. Please fax written changes to 505-393-2476.



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FAX TO: (505) 397-0397

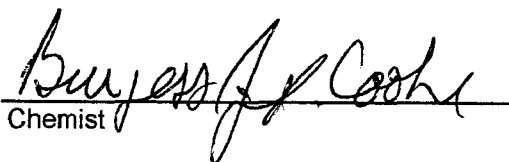
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Project Name: TEXACO JW COOPER BATTERY 83
Project Location: MONUMENT, NM

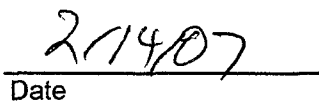
Sampling Date: 02/08/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO	DRO	CI*
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	(mg/Kg)
ANALYSIS DATE		02/13/07	02/13/07	02/12/07
H12173-1	SE 6'	<10.0	212	<16
H12173-2	SOUTH 6'	<10.0	51.6	<16
H12173-3	S CENTER 6'	<10.0	15.1	48
H12173-4	CENTER 6'	<10.0	<10.0	16
H12173-5	N CENTER 6'	<10.0	<10.0	<16
H12173-6	N 6'	<10.0	554	<16
Quality Control		752	784	490
True Value QC		800	800	500
% Recovery		94.0	97.9	98
Relative Percent Difference		7.0	0.5	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

H12173tphcl

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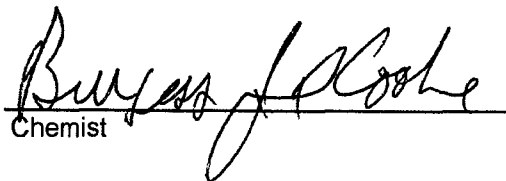
ANALYTICAL RESULTS FOR
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HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 02/08/07
Reporting Date: 02/12/07
Project Owner: HESS
Project Name: TEXACO JW COOPER BATTERY 83
Project Location: MONUMENT, NM

Sampling Date: 02/08/07
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		02/09/07	02/09/07	02/09/07	02/09/07
H12173-1	SE 6'	<0.002	<0.002	<0.002	<0.006
H12173-2	SOUTH 6'	<0.002	<0.002	<0.002	<0.006
H12173-3	S CENTER 6'	<0.002	<0.002	<0.002	<0.006
H12173-4	CENTER 6'	<0.002	<0.002	<0.002	<0.006
H12173-5	N CENTER 6'	<0.002	<0.002	<0.002	<0.006
H12173-6	N 6'	<0.004	0.006	0.012	0.107
Quality Control		0.104	0.097	0.097	0.307
True Value QC		0.100	0.100	0.100	0.300
% Recovery		104	97.7	97.9	103
Relative Percent Difference		2.8	1.4	2	1.3

METHOD: EPA SW-846 8021B


Chemist

2/12/07
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. **H12173-6 BBC** 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.



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
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

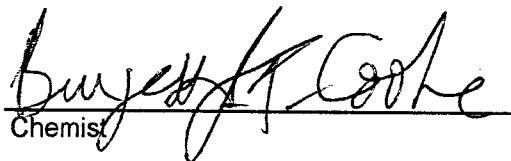
Receiving Date: 03/12/07
Reporting Date: 03/13/07
Project Owner: HESS
Project Name: TEXACO J.W. COOPER BATTERY 83
Project Location: MONUMENT, NM

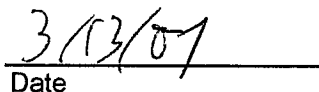
Sampling Date: 03/09/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
		03/12/07	03/12/07	03/12/07
H12315-1	NORTH PIT 15'	404	3330	16
Quality Control		742	755	500
True Value QC		800	800	500
% Recovery		92.8	94.3	100
Relative Percent Difference		5.5	3.3	0.0

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

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


Chemist


Date

H12315A

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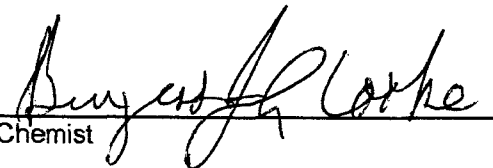
ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

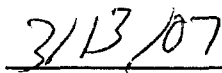
Receiving Date: 03/12/07
Reporting Date: 03/13/07
Project Owner: HESS
Project Name: TEXACO J.W. COOPER BATTERY 83
Project Location: MONUMENT, NM

Sampling Date: 03/09/07
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		03/12/07	03/12/07	03/12/07	03/12/07
H12315-1	NORTH PIT 15'	<0.005	<0.005	0.116	0.664
Quality Control		0.107	0.097	0.094	0.281
True Value QC		0.100	0.100	0.100	0.300
% Recovery		107	97.4	94.3	93.7
Relative Percent Difference		7.3	5.5	1.1	3.4

METHOD: EPA SW-846 8260


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

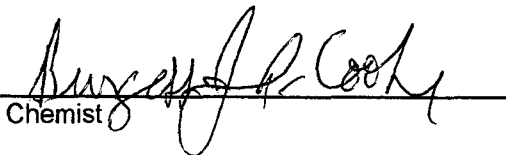
Receiving Date: 03/23/07
Reporting Date: 03/27/07
Project Owner: HESS
Project Name: TEXACO J.W. COOPER BATTERY 83
Project Location: MONUMENT, NM

Sampling Date: 03/21/07
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: BC/HM

LAB NUMBER	SAMPLE ID	GRO	DRO	
		(C ₆ -C ₁₀) (mg/Kg)	(>C ₁₀ -C ₂₈) (mg/Kg)	Cl* (mg/Kg)
ANALYSIS DATE		03/26/07	03/26/07	03/24/07
H12379-1	SB4 3'	<10.0	21.1	<16
H12379-2	SB4 5'	136	1640	<16
H12379-3	SB4 10'	541	6370	<16
H12379-4	SB4 15'	387	4700	<16
H12379-5	SB4 20'	13.7	848	16
H12379-6	SB5 5'	<10.0	98.7	<16
H12379-7	SB6 20'	920	7890	<16
H12379-8	SB6 25'	86.7	1260	<16
H12379-9	SB6 30'	<10.0	78.4	32
Quality Control		777	774	490
True Value QC		800	800	500
% Recovery		97.1	96.7	98.0
Relative Percent Difference		1.4	1.7	1.0

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

3/27/07
Date

H12379A

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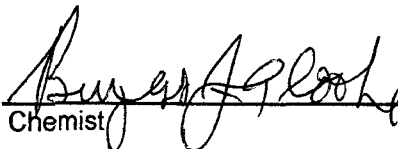
ANALYTICAL RESULTS FOR
BBC INTERNATIONAL, INC.
ATTN: CLIFF BRUNSON
P.O. BOX 805
HOBBS, NM 88241
FAX TO: (505) 397-0397

Receiving Date: 03/23/07
Reporting Date: 03/27/07
Project Owner: HESS
Project Name: TEXACO J.W. COOPER BATTERY 83
Project Location: MONUMENT, NM

Sampling Date: 03/21/07
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		03/26/07	03/26/07	03/26/07	03/26/07
H12379-1	SB4 3'	<0.005	<0.005	<0.005	<0.015
H12379-2	SB4 5'	0.007	0.006	0.040	0.066
H12379-3	SB4 10'	0.008	0.008	0.250	1.35
H12379-4	SB4 15'	<0.005	<0.005	0.063	0.428
H12379-5	SB4 20'	<0.005	<0.005	0.005	0.020
H12379-6	SB5 5'	<0.005	<0.005	<0.005	<0.015
H12379-7	SB6 20'	<0.005	0.007	0.169	0.994
H12379-8	SB6 25'	<0.005	<0.005	0.014	0.089
H12379-9	SB6 30'	<0.005	<0.005	<0.005	<0.015
Quality Control		0.095	0.102	0.099	0.282
True Value QC		0.100	0.100	0.100	0.300
% Recovery		94.8	102	98.5	94.0
Relative Percent Difference		4.7	10.0	5.4	3.7

METHOD: EPA SW-846 8260


Chemist

3/27/07
Date

APPENDIX III

Site Photographs

Texaco JW Cooper Battery No. 83 Monument, New Mexico

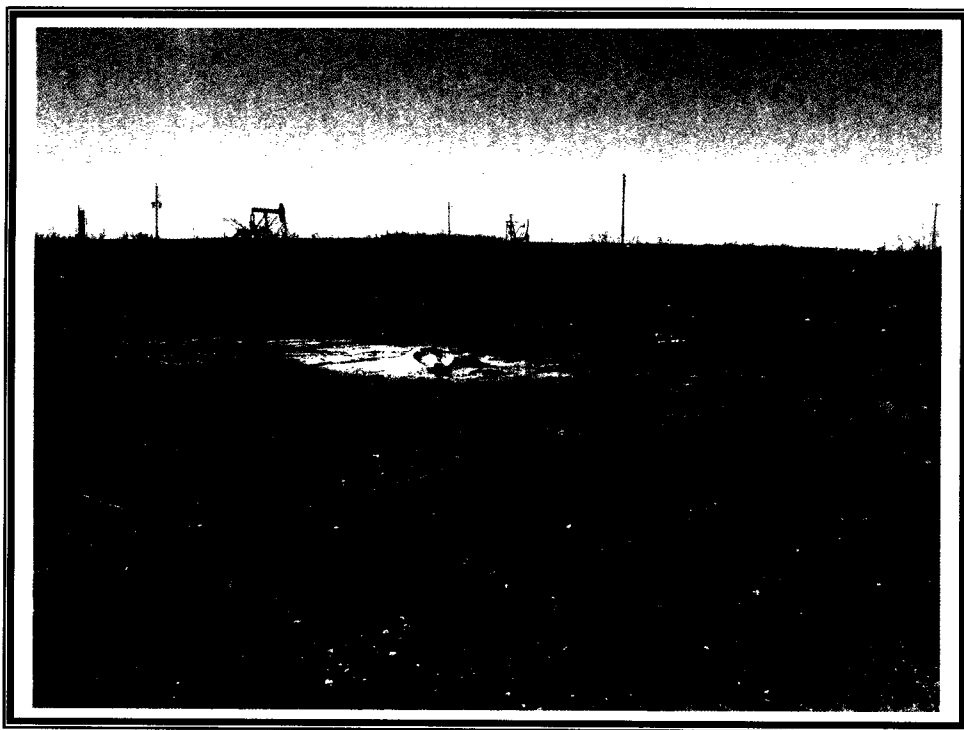
Prepared for:
Hess Corporation
Seminole, Texas

May, 2007

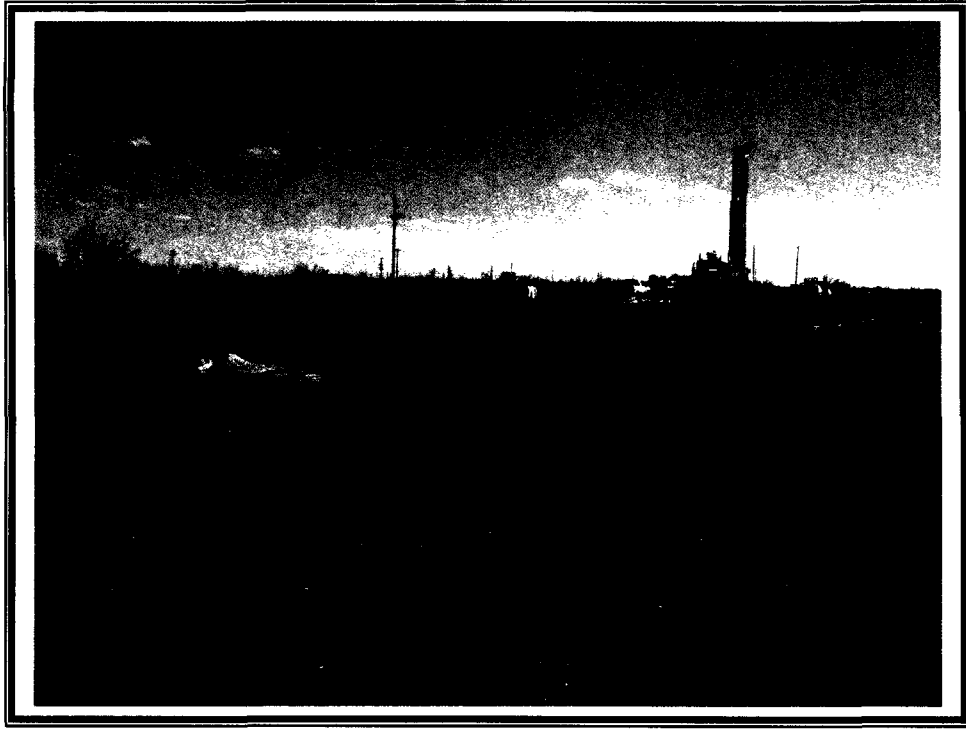
Prepared by:
BBC International, Inc.



North end of Texaco JW Cooper Battery #83



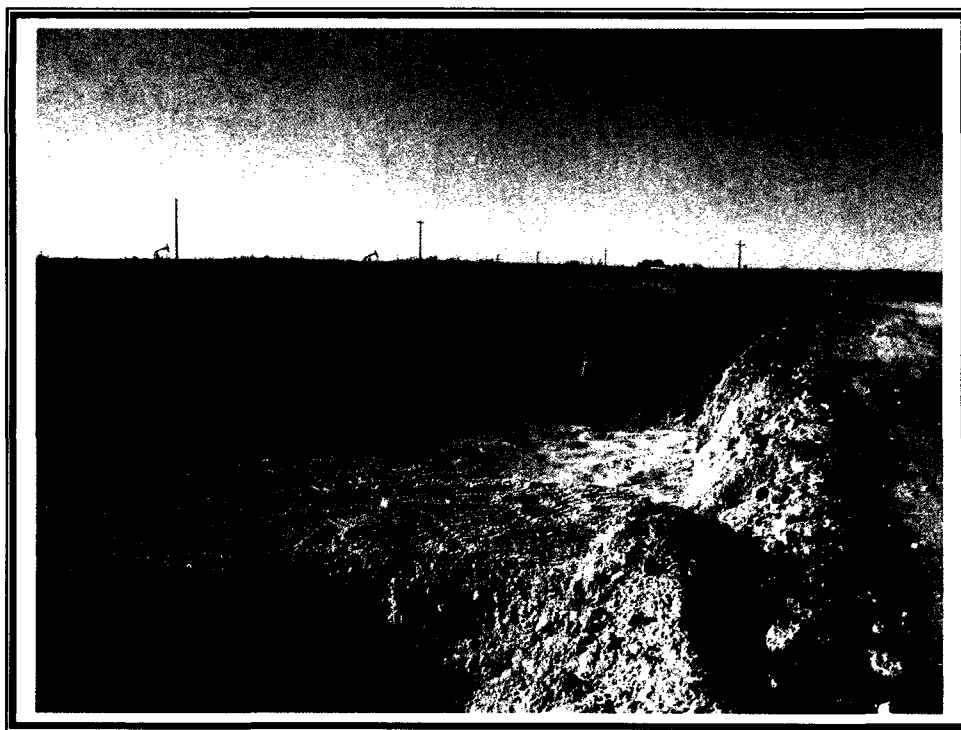
Location of SB1 at north end of Texaco JW Cooper Battery #83



SB1 in foreground. Drilling rig in location of SB2 at south end of
Texaco JW Cooper Battery #83



Tank Battery excavation as viewed from south to north



15' associated pit on north end of tank battery excavation



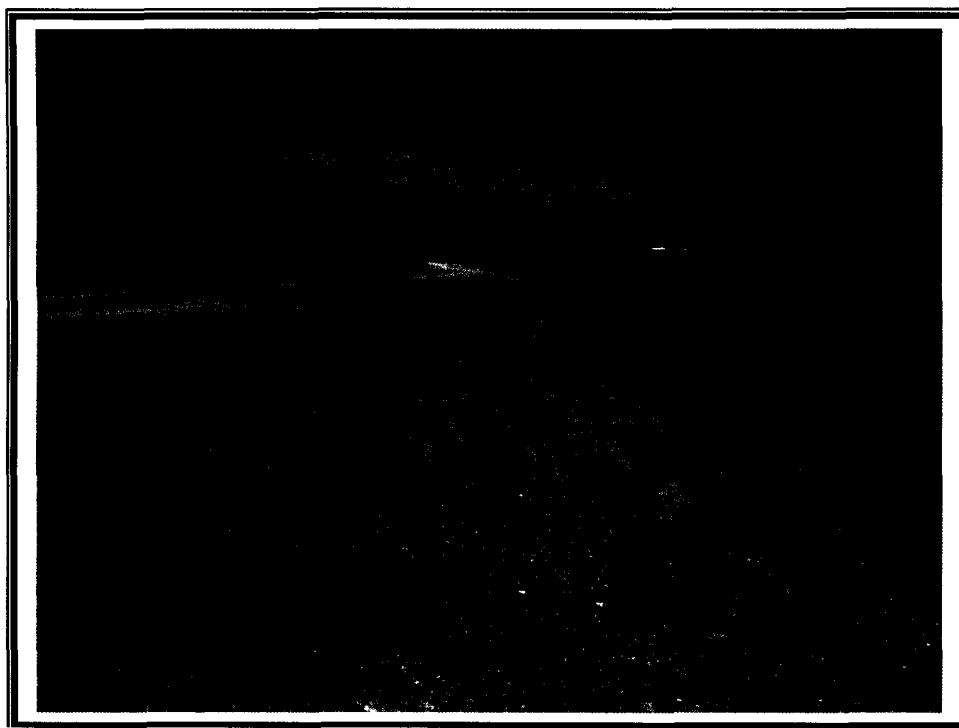
Installation of plastic liner in associated pit at north end of tank battery excavation



Plastic liners installed in both the tank battery excavation (background)
and the north excavation (foreground)



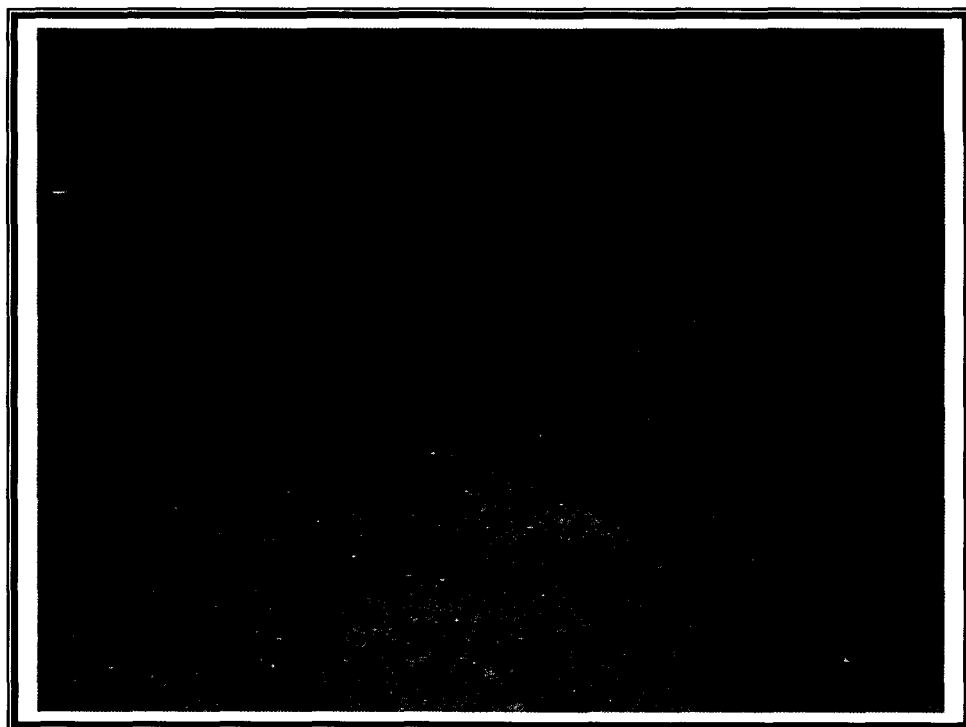
North excavation of Texaco JW Cooper Battery #83



Texaco JW Cooper Battery #83 after backfill



Texaco JW Cooper Battery #83 after backfill



Texaco JW Cooper Battery #83 after backfill

APPENDIX IV

Correspondences

Texaco JW Cooper Battery No. 83
Monument, New Mexico

Prepared for:
Hess Corporation
Seminole, Texas

May, 2007

Prepared by:
BBC International, Inc.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

5/09/2007

Randy Barnes
Hess Corp.
POB 840
Seminole, TX 79360

Re: Texaco JW Cooper #83 Battery

Dear Mr. Barnes:

New Mexico Oil Conservation Division (OCD) personnel reviewed the closure report submitted by Hess Corporation (Hess) for the site referenced above. The closure is hereby approved according to information provided.

Please be advised that OCD approval does not relieve Hess of liability should operations result in contamination of surface water, groundwater, or the environment. In addition, OCD approval does not relieve Hess 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. 102, or e-mail chris.williams@state.nm.us.

Sincerely,

NMOCD District1 Supervisor

APPENDIX V

Drilling Logs

Texaco JW Cooper Battery No. 83 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: Hess Texaco JW Cooper Tank Battery #83

Well/Boring ID: SB-1

WELL LOG

From	To	Formation
0	2	Top Soil
2	9	Caliche and Sand with Clay Stringers
9	18	Hard Caliche
18	20	Sandy Clay with Caliche Stringers
		Plugged with bentonite chips

DATE: 1/24/2007 DRILLER: Alan G. Eades - WD1044

EADES DRILLING AND PUMP SERVICE

1200 East Bender Blvd.

Hobbs, New Mexico 88240

(505) 392-2457

Client: BBC International

Site: Hess Texaco JW Cooper Tank Battery #83

Well/Boring ID: SB-2

WELL LOG

From	To	Formation
0	5	Pad
5	7	Top Soil
7	13	Caliche and Sand with Clay Stringers
13	20	Sandy Clay with Caliche Stringers
		Plugged with bentonite chips

DATE: 1/24/2007 DRILLER: Alan G. Eades - WD1044

EADES DRILLING AND PUMP SERVICE

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

Client: BBC International

Site: Hess Texaco JW Cooper Tank Battery #83

Well/Boring ID: SB-3

WELL LOG

From	To	Formation
0	2	Top Soil
2	8	Caliche and Sand with Clay Stringers
8	10	Caliche
		Plugged with bentonite chips

DATE: 1/24/2007 DRILLER: Alan G. Eades - WD1044



RECORD OF SUBSURFACE EXPLORATION

Project Name: Texaco JW Cooper Battery #83
 Borehold Number: SB4
 Drilled by: Eco/Enviro Drilling LLC
 Date/Time Started: 3/21/07 09:45
 Air Monitoring Type: _____

Project No.: _____
 Logged by: Amy C. Ruth
 Drilling/Rig Method(s): Hollow Stem Auger (Extended Core)
 Date/Time Completed: 3/21/07 11:45
 GWL Depth: _____

Depth (feet)	Sample Number	Sample Interval	Sample Type	Sample Description	PID Readings (ppm)	USCS Symbol	Comments
--0		0' - 2'		Top Soil			
--5		2' - 10'		Caliche/Sand			
--10		10' - 15'		Caliche			
--15		15' - 20'		Sandy Clay/Caliche			
--20							
--25							
--30							
--35							
--40							

Comments: _____

Technician Signature: _____



RECORD OF SUBSURFACE EXPLORATION

Project Name: Texaco JW Cooper Battery #83
Borehold Number: SB5
Drilled by: Eco/Enviro Drilling LLC
Date/Time Started: 3/21/07 13:15
Air Monitoring Type: _____

Project No.: _____
Logged by: Amy C. Ruth
Drilling/Rig Method(s): Hollow Stem Auger (Extended Core)
Date/Time Completed: 3/21/07 13:45
GWL Depth: _____

Depth (feet)	Sample Number	Sample Interval	Sample Type	Sample Description	PID Readings (ppm)	USCS Symbol	Comments
--0		0' - 2'		Top Soil			
--5		2' - 5'		Caliche/Sand			
--10							
--15							
--20							
--25							
--30							
--35							
--40							

Comments: _____

Technician Signature: _____



RECORD OF SUBSURFACE EXPLORATION

Project Name: Texaco JW Cooper Battery #83
Borehole Number: SB6
Drilled by: Eco/Enviro Drilling LLC
Date/Time Started: 3/21/07 14:00
Air Monitoring Type: _____

Project No.: _____
Logged by: Amy C. Ruth
Drilling/Rig Method(s): Hollow Stem Auger (Extended Core)
Date/Time Completed: 3/21/07 15:30
GWL Depth: _____

Depth (feet)	Sample Number	Sample Interval	Sample Type	Sample Description	PID Readings (ppm)	USCS Symbol	Comments
--0							
--5							
--10							
--15							
--20		15' - 25'		Sand/Caliche			
--25							
--30		25' - 30'		Sandy Clay/Caliche			
--35							
--40							

Comments: Drilled in floor of 15 foot excavation. _____

Technician Signature: _____

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

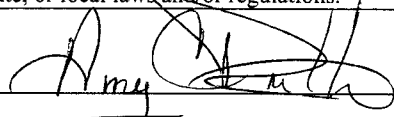

Name of Company	Hess Corporation	Contact	Randy Barnes
Address	P.O. Box 840, Seminole, TX 79360	Telephone No.	(432) 758-6778
Facility Name	Texaco JW Cooper Battery No. 83	Facility Type	Abandoned Tank Battery
Surface Owner	Jim Cooper	Mineral Owner	
		Lease No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	5	20 S	37 E					Lea

Latitude 32° 36' 21.2" Longitude 103° 16' 10.9"

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	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. 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, 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: 5/16/07		Expiration Date:	
E-mail Address: amy@bbcinternational.com		Conditions of Approval:		Attached <input type="checkbox"/>	
Date: 5/4/07		Phone: (505) 397-6388			

* Attach Additional Sheets If Necessary