

# **HESS CORPORATION**

# JW COOPER G WELL #3 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
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WEBSITE: www.bbcinternational.com

May 1, 2007

PREPARED FOR:

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



RP# 1336

incident -n PACC713631895 application -p PACO7 isles 1953

# Hess Corporation JW Cooper G Well #3

### 1.0 INTRODUCTION

The subject site is north of Monument, New Mexico in Lea County in Unit Letter D, of Section 3, Township 20 South, and Range 37 East. The site is a pit associated with operations during the installation of the well. 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 6,500 square feet and is located adjacent to the well caliche pad on the north side. 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 two construction companies to excavate the site and haul contaminated soil to a landfarm approved by NMOCD. BBC International, Inc. (BBC) was also retained by Hess to collect soil samples for laboratory analysis.

Excavation began at the site on January 6, 2007. On January 16, 2007, BBC performed a chloride field screen on a soil sample collected from the bottom of the east side of the pit at a depth of eight (8) feet below ground surface (bgs). The sample showed 1,240 parts per million (ppm). The remainder of the pit was excavated to about four (4) feet bgs. All site diagrams depicting sample points can be found in **Appendix I**.

On January 31, 2007, three additional chloride field screens were performed on soil samples collected from the site. The east side of the pit was deepened to nine (9) feet bgs and showed 1,080 ppm. A sample collected from the west side of the pit at four (4) feet bgs contained 440 ppm and a composite sample taken from the spoils pile contained 880 ppm chloride.

The east side of the site was excavated a further foot and a soil sample was collected at ten (10) feet bgs on February 22, 2007. The sample, labeled Pit

Bottom 10', was 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 sample was non-detect for GRO/DRO and BTEX and contained 64 ppm chloride. Laboratory analyticals can be found in **Appendix II**.

The west side of the site was excavated to fourteen (14) feet bgs and a soil sample, labeled Pit Bottom 14', was collected from the pit floor on February 27, 2007. The sample showed that GRO/DRO and BTEX were non-detect and chloride was 768 ppm. A composite sample of the spoils pile was also collected to characterize the material being sent to the landfarm. GRO/DRO and BTEX was non-detect and chloride was 256 ppm.

On March 1, 2007, BBC returned to the site to continue excavating and collecting soil samples for field chloride screens. All soil samples from the west half of the excavation contained 680 ppm or more to a depth of eighteen (18) feet bgs. Hess determined to backfill the excavation with clean caliche in order to drill a soil boring and collect samples.

The excavation was backfilled to ground surface with clean caliche. On March 5, 2007, a soil boring, SB1, was advanced in the center of the west half of the site. Three (3) samples were collected in five foot intervals from a depth of twenty (20) to thirty (30) feet bgs and were submitted to a laboratory for chloride analysis only. The sample labeled SB1 @ 20' contained 1,488 ppm. Sample SB1 @ 25' contained 1,552 ppm and the sample labeled SB1 @ 30' had 240 ppm. Drilling logs can be found in **Appendix V**.

On March 13, 2007, after reviewing soil sample analytical results, NMOCD allowed closure of the site with the condition that a one foot thick clay liner be installed at least three feet below ground surface. NMOCD approval by email correspondence can be reviewed in **Appendix IV**.

The site was re-excavated to four (4) feet bgs and a clay liner was installed on March 15, 2007. Site photographs can be viewed in **Appendix III**. The remaining three (3) foot space was backfilled with clean topsoil. A total of 1,484 cubic yards of contaminated soil was hauled to NMOCD approved landfarms located in Monument, NM.

Backfilling and contouring of the site was completed on March 20, 2007 with a total of 1,940 cubic yards of clean soil. The excavation was backfilled with 1,100 cubic yards of caliche to four (4) feet bgs. 240 cubic yards of clay were installed and the remaining volume was completed with 600 cubic yards of topsoil and contoured to grade. The site will be reseeded.

BBC International, Inc.

## 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.

BBC International, Inc.

# **APPENDIX I**

# **Site Diagrams**

JW Cooper G Well #3 Monument, New Mexico

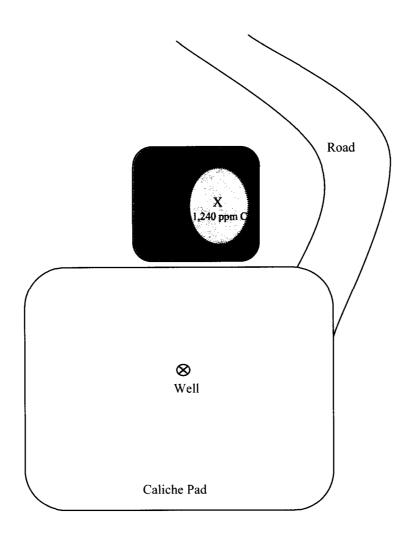
> Prepared for: Hess Corporation Seminole, Texas

> > May, 2007

Prepared by: BBC International, Inc.



Chloride Field Screening – January 16, 2007

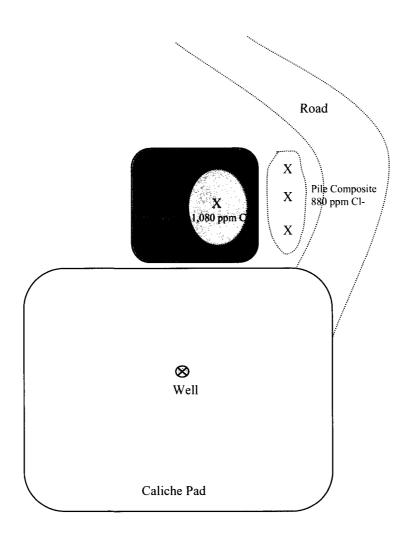


| LEGEND              |  |  |  |
|---------------------|--|--|--|
| X                   | Sample Points                            |  |  |
| and the contract of | Excavated to 4 feet below ground surface |  |  |
|                     | Excavated to 8 feet below ground surface |  |  |

| BBC INTERN                          | IATIONAL, INC.      |  |
|-------------------------------------|---------------------|--|
| HESS CORPORATION JW Cooper G Well#3 |                     |  |
| Date: 5-2-07                        | Drawn By: AR        |  |
| Disk:                               | Sheet 1 of 1 Sheets |  |
| Scale: Not to Scale                 | File Name           |  |



Chloride Field Screening – January 31, 2007

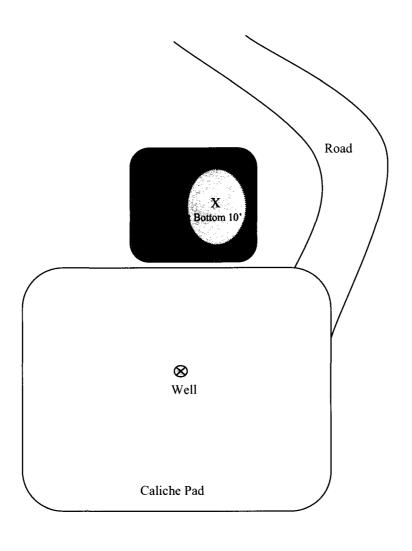


| LEGEND    |  |  |  |
|-----------|--|--|--|
| X         | Sample Points                            |  |  |
| angere on | Excavated to 4 feet below ground surface |  |  |
|           | Excavated to 9 feet below ground surface |  |  |

| BBC INTERN                          | IATIONAL, INC.                    |  |
|-------------------------------------|-----------------------------------|--|
| HESS CORPORATION JW Cooper G Well#3 |                                   |  |
|                                     |                                   |  |
| Date: 5-2-07                        | Drawn By: AR                      |  |
| Date: 5-2-07 Disk:                  | Drawn By: AR  Sheet I of I Sheets |  |



Sampling Event – February 22, 2007



## **LEGEND**

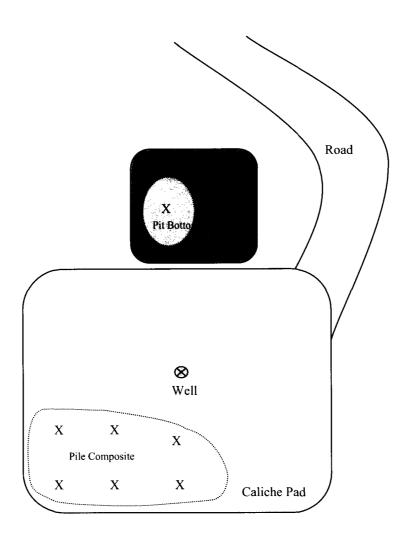
- X Sample Points
- Excavated to 4 feet below ground surface
- Excavated to 10 feet below ground surface

## BBC INTERNATIONAL, INC.

## HESS CORPORATION JW Cooper G Well#3

| Date: 5-2-07        | Drawn By: AR        |  |  |
|---------------------|---------------------|--|--|
| Disk:               | Sheet 1 of 1 Sheets |  |  |
| Scale: Not to Scale | File Name           |  |  |

Sampling Event – February 27, 2007

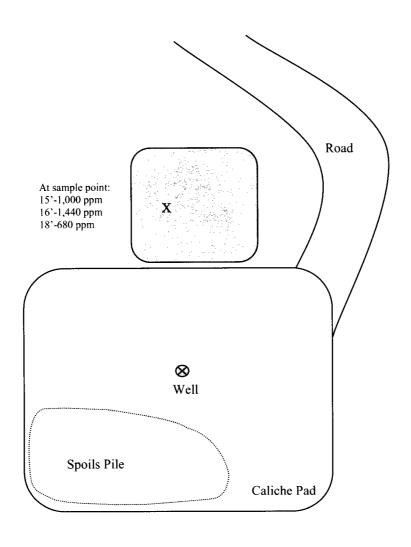


| LEGEND |   |  |  |
|--------|---|--|--|
| X      | Sample Points                             |  |  |
|        | Excavated to 10 feet below ground surface |  |  |
|        | Excavated to 14 feet below ground surface |  |  |

| BBC INTERN   | NATIONAL, INC.            |
|--------------|---------------------------|
|              | RPORATION<br>per G Well#3 |
| Date: 5-2-07 | Drawn By: AR              |
|              |                           |
| Disk:        | Sheet 1 of 1 Sheets       |



Chloride Field Screening – March 1, 2007

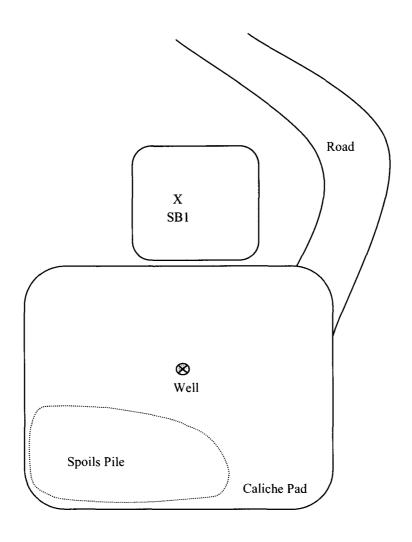


| LEGEND |                |  |  |
|--------|----------------|--|--|
| X      | Sample Points  |  |  |
|        | Excavated area |  |  |

| BBC INTERNATIONAL, INC.             |                     |  |  |  |
|-------------------------------------|---------------------|--|--|--|
| HESS CORPORATION JW Cooper G Well#3 |                     |  |  |  |
| Date: 5-2-07 Drawn By: AR           |                     |  |  |  |
| Disk:                               | Sheet 1 of 1 Sheets |  |  |  |
| Scale: Not to Scale                 | File Name           |  |  |  |



Drilling and Sampling Event – March 5, 2007



| - | LEGEND                |
|---|-----------------------|
| X | Soil Boring           |
|   | Backfilled excavation |

BBC INTERNATIONAL, INC.

HESS CORPORATION
JW Cooper G Well#3

Date: 5-2-07 Drawn By: AR

Disk: Sheet I of I Sheets

File Name

Scale:

Not to Scale

# **APPENDIX II**

# **Laboratory Analytical Results**

JW Cooper G Well #3
Monument, New Mexico

Prepared for: Hess Corporation Seminole, Texas

May, 2007

Prepared by: BBC International, Inc.



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: 02/22/07

Reporting Date: 02/23/07

Project Owner: HESS

Project Name: J.W. COOPER G #3 Project Location: MONUMENT, NM

Sampling Date: 02/22/07

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: NF Analyzed By: BC/HM

| ANALYSIS DATE               | 02/22/07 | 02/22/07 | 02/22/07 |
|-----------------------------|----------|----------|----------|
| H12234-1 PIT BOTTOM 10'     | <10.0    | <10.0    | 64       |
| Quality Control             | 700      | 704      | 400      |
|                             | 798      | 794      | 490      |
| True Value QC               | 800      | 800      | 500      |
| % Recovery                  | 99.8     | 99.2     | 98.0     |
| Relative Percent Difference | 0.1      | 3.1      | 2.0      |

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl<sup>-</sup>: Std. Methods 4500-Cl<sup>-</sup>B \*Analysis performed on a 1:4 w:v aqueous extract.

Duyell 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: 02/22/07

Reporting Date: 02/23/07

Project Owner: HESS

Project Name: J.W. COOPER G #3 Project Location: MONUMENT, NM Sampling Date: 02/22/07

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: NF

Analyzed By: BC

| LAB NO. SAMPLE ID           | BENZENE<br>(mg/Kg) | TOLUENE<br>(mg/Kg) | ETHYL<br>BENZENE<br>(mg/Kg) | TOTAL<br>XYLENES<br>(mg/Kg) |
|-----------------------------|--------------------|--------------------|-----------------------------|-----------------------------|
| ANALYSIS DATE               | 02/22/07           | 02/22/07           | 02/22/07                    | 02/22/07                    |
| H12234-1 PIT BOTTOM 10'     | <0.005             | <0.005             | <0.005                      | <0.015                      |
|                             |                    |                    |                             |                             |
| Quality Control             | 0.103              | 0.099              | 0.098                       | 0.288                       |
| True Value QC               | 0.100              | 0.100              | 0.100                       | 0.300                       |
| % Recovery                  | 103.0              | 99.3               | 98.1                        | 96.1                        |
| Relative Percent Difference | 2.5                | 2.9                | 1.0                         | 2.2                         |

METHOD: EPA SW-846 8260

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Date

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.

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XYes XYes SLUDGE MATRIX SENDE OIL State: NM ZIp: 88240 Fax# 505-397-039 ROIT Received By: **MASTEWATER ВЕТАМОИ ОРРЕЕ** Project Owner: HeSS # CONTAINERS (G) RAB 0R (C)OMP. 915) 673-7001 Fax (915) 673-7020 International Date; 22/07 1me: 0 Brunson Marland Time: 2 Men winggn Sample I.D. Phone # 505-397-6388 Copper Bottom Sampler UPS - Bus - Other: HMH 1324 City: Habbs Project Manager: Company Name: Project Location: Sampler Name: Relinquished By Project Mame: FOR LAB USE COLY 1-45-50 H Lab LD. 3 Delivere Address: Project ₩

<sup>†</sup> Cardinal cannot accept yerbal changes. Please fax written changes to 505-393-2476.



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: 02/27/07

Reporting Date: 03/01/07

Project Owner: HESS

Project Name: J.W. COOPER G #3 Project Location: MONUMENT, NM

LAB NUMBER SAMPLE ID

Sampling Date: 02/27/07

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC Analyzed By: BC/HM

GRO DRO  $(C_6-C_{10})$  (> $C_{10}-C_{28})$  CI\* (mg/Kg) (mg/Kg) (mg/Kg)

| ANALYSIS DATE               | 02/28/07 | 02/28/07 | 02/28/07 |
|-----------------------------|----------|----------|----------|
| H12263-1 PIT BOTTOM 14'     | <10.0    | <10.0    | 768      |
|                             |          |          |          |
|                             |          |          |          |
| Quality Control             | 768      | 767      | 490      |
| True Value QC               | 800      | 800      | 500      |
| % Recovery                  | 96.0     | 95.8     | 98.0     |
| Relative Percent Difference | 1.0      | 7.5      | 0.0      |

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl<sup>-</sup>: Std. Methods 4500-Cl<sup>-</sup>B \*Analysis performed on a 1:4 w:v aqueous extract.

Chemist 4 Confe

Date



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: 02/27/07 Reporting Date: 03/01/07

Project Owner: HESS

Project Name: J.W. COOPER G #3

Project Location: MONUMENT, NM

Sampling Date: 02/27/07

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: LB

| LAB NUMBER SAMPLE ID        | BENZENE<br>(mg/Kg) | TOLUENE<br>(mg/Kg) | ETHYL<br>BENZENE<br>(mg/Kg) | TOTAL<br>XYLENES<br>(mg/Kg) |
|-----------------------------|--------------------|--------------------|-----------------------------|-----------------------------|
| ANALYSIS DATE               | 02/28/07           | 02/28/07           | 02/28/07                    | 02/28/07                    |
| H12263-1 PIT BOTTOM 14'     | <0.002             | <0.002             | <0.002                      | <0.006                      |
| Quality Control             | 0.108              | 0.109              | 0.108                       | 0.330                       |
| True Value QC               | 0.100              | 0.100              | 0.100                       | 0.300                       |
| % Recovery                  | 108                | 109                | 108                         | 110                         |
| Relative Percent Difference | 7.0                | 3.1                | 1.1                         | 0.6                         |

METHOD: EPA SW-846 8021 B

Chemist

Date

3/1/07

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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| rories,                    | 47 40600                                     |
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| ARDINAL LABORATORIES, INC. | 1 T T T T T T T T T T T T T T T T T T T      |
|                            | 1  |

| ARDINAL LABORA I URIES, INC. 2111 Beechwood, Abilene, TX 79603 101 East (915) 673-7001 Fax (915) 673-7020 (605) 393  Name: BRI International, Inc. (1324 L), Mariand  State: NM ZIP: 882  505-397-6388 Fax# 505-397-0  Frolect Owner: He SS  | Marland, Hobbs, NM 88240  2328 Fax (505) 393-2478  P.O. #.  Company: Hess  Gompany: Hess  40 Attn: Randy Barnes  297 Address:  | ANALYSIS REQUEST   |
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| SKUDE OIL KATA   | ESERV. SAMPLING  ESERV. SAMPLING  ESERV. SAMPLING  CE COOL  THE TIME   | 2P.170/1/2<br>X318   |
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| Registered By: [Circle One] Sampler-UPS - Bus - Other:   | Rust<br>CHECKED BY:<br>(Initials)  |  |



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: 02/27/07

Reporting Date: 03/01/07

Project Owner: HESS

Project Name: J.W. COOPER G #3 Project Location: MONUMENT, NM Sampling Date: 02/27/07

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC Analyzed By: BC/HM

| ANALYSIS DATE               | 02/28/07 | 02/28/07 | 02/28/07 |
|-----------------------------|----------|----------|----------|
| H12265-1 PILE COMPOSITE     | <10.0    | <10.0    | 256      |
|                             |          |          |          |
|                             |          |          | <u> </u> |
|                             |          |          |          |
| Quality Control             | 768      | 767      | 490      |
| True Value QC               | 800      | 800      | 500      |
| % Recovery                  | 96.0     | 95.8     | 98.0     |
| Relative Percent Difference | 1.0      | 7.5      | 0.0      |

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; Cl<sup>-</sup>: Std. Methods 4500-Cl<sup>-</sup>B \*Analysis performed on a 1:4 w:v aqueous extract.

Duy as Sty

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: 02/27/07 Reporting Date: 03/01/07

Project Owner: HESS

Project Name: J.W. COOPER G #3 Project Location: MONUMENT, NM

Sampling Date: 02/27/07

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: LB

| LAB NUMBER SAMPLE ID        | BENZENE<br>(mg/Kg) | TOLUENE<br>(mg/Kg) | ETHYL<br>BENZENE<br>(mg/Kg) | TOTAL<br>XYLENES<br>(mg/Kg) |
|-----------------------------|--------------------|--------------------|-----------------------------|-----------------------------|
| ANALYSIS DATE               | 02/28/07           | 02/28/07           | 02/28/07                    | 02/28/07                    |
| H12265-1 PILE COMPOSITE     | <0.002             | <0.002             | <0.002                      | <0.006                      |
| Quality Control             | 0.108              | 0.109              | 0.108                       | 0.330                       |
| True Value QC               | 0.100              | 0.100              | 0.100                       | 0.300                       |
| % Recovery                  | 108                | 109                | 108                         | 110                         |
| Relative Percent Difference | 7.0                | 3.1                | 1.1                         | 0.6                         |

METHOD: EPA SW-846 8021 B

3/1/07

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES, INC.

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<sup>†</sup> Cardinal cannot accept yerbal changes. Please fax written changes to 505-393-2476.



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: 03/06/07 Reporting Date: 03/06/07 Project Owner: HESS

Project Name: JW COOPER G #3
Project Location: MONUMENT, NM

Analysis Date: 03/06/07 Sampling Date: 03/05/07 Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: NF

Analyzed By: HM

CI LAB NO. SAMPLE ID (mg/Kg) H12300-1 SB1 @ 20' 1488 H12300-2 SB1 @ 25' 1552 H12300-3 SB1 @ 30' 240 **Quality Control** 490 True Value QC 500 % Recovery 98 Relative Percent Difference 1.0

METHOD: Standard Methods 4500-Cl B

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

Hope J. Movener Chemist

Date

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

SARDINAL LABORATORIES, INC.

They and County of the Market ö Page LANAL YSIS REQUEST 1 Yes □ Yes Pior ita 40 PRESENTE LISERY AND DEMOSAL CACKAN'S SERRY and search learned the register that the search serry of the search serry and search serry data resembled to the search service of the search s SAKNO 830 1055 933 TIME emount paid by the check for the SAMPLING 10 3/5/07 CHy: Seminol DATE 45/01 Company: He 35 Kanda 2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240 HECKED BY Z1p: BILL (Initials) (505) 393-2328 Fax (505) 393-2478 : ЯЗНТÓ State: TX ICE \ COOF Address: Phone #: P.O. 非 Attn: Fax #: SAS/GID/A : ABHTO No No Received By: (Lab Staff SLUDGE Cool Intact HATRIX SKNDE OIF State: NM ZIP: 88240 Fax# 505-397-039 Tess T **RETEWATER ЯЗТАМОИИОЯ** # CONTAINERS তাত C) (G) 448 0R (C) OMP. 井る (915), 673-7001 Fax (915) 673-7020 Internationa Project Owner: 3/6/07 Rrungon Marland Time: on waren Sample I.D. boper 30 Phone #. 505-397-6388 2 202 Sampler UPS - Bus - Other:  $\mathcal{G}$ HMU \$81 \$8 H2300-1581 1324 Project Manager: Project Location: Company Name: Sampler Name: Project Name: דטא באם עצב כמעץ Lab LD. Address: Project ₩ the live Chy:

<sup>†</sup> Cardinal cannot accept yerbal changes. Please fax written changes to 505-393-2476.

# **APPENDIX III**

# **Site Photographs**

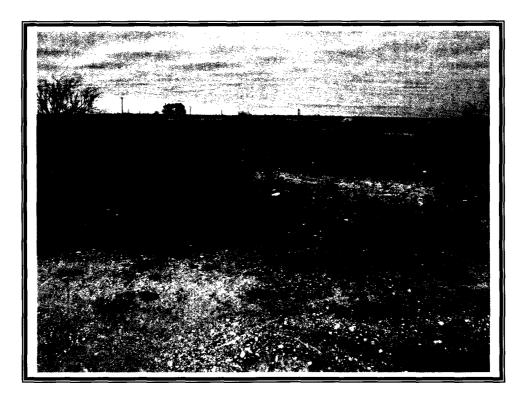
JW Cooper G Well #3
Monument, New Mexico

Prepared for: Hess Corporation Seminole, Texas

May, 2007

Prepared by: BBC International, Inc.





JW Cooper G Well #3 before excavation



JW Cooper G Well #3 before excavation



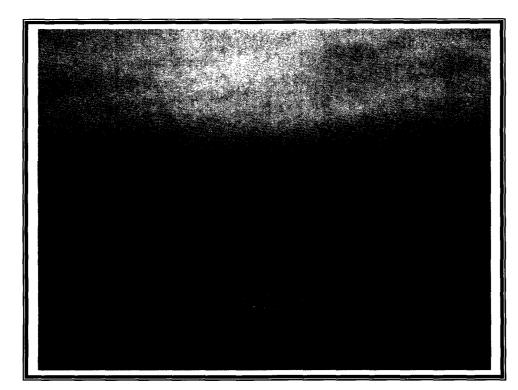


Clay liner installed at JW Cooper G Well #3



Clay liner installed at JW Cooper G Well #3





JW Cooper G Well #3 after backfill



JW Cooper G Well #3 after backfill

# **APPENDIX IV**

# Correspondences

JW Cooper G Well #3
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: Tuesday, March 13, 2007 2:14 PM

To: Amy C. Ruth

Subject: RE: Closure- Hess JW Cooper G Well #3 Excavation

Go ahead and start the backfill process. A closure letter will follow once closure is complete.

Chris Williams District 1 Supervisor

**From:** Amy C. Ruth [mailto:amy@bbcinternational.com]

**Sent:** Tue 3/13/2007 12:21 PM **To:** Williams, Chris, EMNRD

Cc: 'Barnes, Randy'; 'Hall, Drew'; 'Cliff P. Brunson'; jgilkey@BBCINTERNATIONAL.COM

Subject: Closure- Hess JW Cooper G Well #3 Excavation

Chris,

This is to confirm our conversation this morning regarding closure of the pit at the JW Cooper G Well #3, formerly operated by Hess Corporation, in Monument. As discussed, Hess is required to install a one foot thick clay liner from four (4) feet to three (3) feet below ground surface, and backfill the remaining three (3) feet to surface with clean topsoil. A final report detailing all site activities and laboratory data will be submitted to the NMOCD.

Please reply back via e-mail with your concurrence.

I appreciate your help in this matter. If you have any questions, please contact either myself or Cliff Brunson at our office (505-397-6388).

Thank you,

Amy C. Ruth

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

This inbound email has been scanned by the MessageLabs Email Security System.

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# **APPENDIX V**

# **Drilling Logs**

JW Cooper G Well #3
Monument, New Mexico

Prepared for: Hess Corporation Seminole, Texas

May, 2007

Prepared by: BBC International, Inc.



Borehold Number: SB1

Project Name: \_\_\_\_\_\_IW Cooper "G" Well #3

# RECORD OF SUBSURFACE EXPLORATION

Project No.:\_\_\_\_\_

Logged by: Amy C. Ruth

| Date/Time   | Started:         | 3/05/07            | no Drilling L.I |                    | Date/Time Completed      |      |          |
|---|------------------|--------------------|-----------------|--------------------|--------------------------|------|----------|
| Depth<br>(feet)   | Sample<br>Number | Sample<br>Interval | Sample<br>Type  | Sample Description | PID<br>Readings<br>(ppm) | USCS | Comments |
| 0<br>-  |                  | 0' - 2'            |                 | Top Soil           |                          |      |          |
| -<br>-<br>5   |                  | 2' – 6'            |                 | Caliche            |                          |      |          |
|   |                  | 6' - 30'           |                 | Sand/Caliche       |                          |      |          |
| -<br>-<br>30<br>-<br>-<br>-<br>-<br>35<br>-<br>-<br>-<br>-<br>- |                  |                    |                 |                    |                          |      |          |
| Comments  | i:               |                    |                 |                    |                          |      |          |
| Technician  | n Signatu        | re:                |                 |                    |                          |      |          |

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

Name of Company

Surface Owner Jim Cooper

Address

Facility Name

# State of New Mexico Energy Minerals and Natural Resources

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

Revised October 10, 2003

Form C-141

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 X Final Report Hess Corporation Contact Randy Barnes Telephone No. P.O. Box 840, Seminole, TX 79360 (432) 758-6778 Facility Type Pit at well site JW Cooper G Well #3 Mineral Owner Lease No.

LOCATION OF RELEASE API#3xcxxx5571cccc Unit Letter Feet from the North/South Line Feet from the East/West Line County Section Township Range 20 S 37 E D Lea

Latitude 32° 36.308'

Longitude 103° 14.819'

NATURE OF RELEASE

| Type of Release Historical   | Volume of Release Unknown             | Volume Recovered Unknown   |
|--|---------------------------------------|--|
| Source of Release Unknown  | Date and Hour of Occurrence Unl       | Date and Hour of Discovery Unknown   |
| Was Immediate Notice Given?  | If YES, To Whom?                      |  |
| ☐ Yes ☐ No 🛭 Not Required  |                                       |  |
|  |                                       |  |
| By Whom?   | Date and Hour                         |  |
| Was a Watercourse Reached?   | If YES, Volume Impacting the Wa       | itercourse.  |
| Yes X No   |                                       |  |
| If a Watercourse was Impacted, Describe Fully.*  | <u> </u>                              |  |
| if a watercourse was impacted, Describe I uny.   |                                       |  |
|  |                                       |  |
|  |                                       |  |
|  |                                       |  |
| Describe Cause of Problem and Remedial Action Taken.*  |                                       | and the same of th |
| Hydrocarbon contamination of soil by oil production activities. Sit  | te investigation was conducted in     | preparation for cleanup activities. A  |
| generic remediation plan was developed.  |                                       | Les Charles  |
| generic fornediation plan was developed.   | \*.*                                  | O'v  |
|  |                                       |  |
| Describe Area Affected and Cleanup Action Taken.*  |                                       | 70.  |
| Contaminated soil was removed from the site and taken to a NMO   | CD approved landfarm. Before t        | packfilling samples were collected to  |
| confirm compliance to guidelines. The site was backfilled with cle   | ean soil, contoured, and will be re   | seeded.  |
|  | ,                                     |  |
|  |                                       |  |
| I hereby certify that the information given above is true and complete to the  |                                       |  |
| regulations all operators are required to report and/or file certain release n   |                                       |  |
| public health or the environment. The acceptance of a C-141 report by the<br>should their operations have failed to adequately investigate and remediate |                                       |  |
| or the environment. In addition, NMOCD acceptance of a C-141 report d  |                                       |  |
| federal, state, or local laws and/or regulations.  | des not reneve the operator of respon | islomity for compliance with any other   |
| redetal, state, or local laws aircraft regulations.  | OH CONCER                             | VATION DIVICION  |
|  | OIL CONSER                            | VATION DIVISION  |
| Signature: My  |                                       |  |
|  |                                       | 11 - 10  |
| Printed Name: Amy Q. Ruth  | Approved by District Supervisor:      | Chris Williams   |
|  |                                       | 700  |
| Title: Environmental Scientist   | Approval Date:                        | Expiration Date:   |
|  | rippioval Date.                       | Expiration Date.   |
| E-mail Address: amy@bbcinternational.com   | Conditions of Approval:               | _  |
|  | Control of Approven                   | Attached   |
| Date: 5/1/07 Phone: (505) 397-6388   |                                       |  |
| Attach Additional Sheets If Necessary  |                                       |  |
|  |                                       |  |
|  |                                       |  |