

SITE INFORMATION

Report Type: Closure Plan

| | | | |
|--------------------------------------|--|-------------|-----|
| General Site Information: | | | |
| Site: | Westall A State #1 Tank Battery | | |
| Company: | COG Operating LLC | | |
| Section, Township, and Range: | 36 | 17S | 29E |
| Lease Number: | API# 30-015-03798 (nearest well) | | |
| County: | Eddy County, NM | | |
| GPS: | N 32.78817° | W104.02323° | |
| Surface Owner: | State | | |
| Mineral Owner: | | | |
| Directions: | In Loco Hills, go South then Southwest on CR217 for 3.0 miles, turn right on dirt road and make an immediate left and go 0.2 mile to location. | | |

| | |
|---------------------------------|--------------|
| Release Data: | |
| Date Released: | 10/25/2013 |
| Type of Release: | Oil |
| Source of Contamination: | Tank Battery |
| Fluid Released: | 20 bbls |
| Fluids Recovered: | 15 bbls |

| | | |
|--------------------------------|------------------------------|-------------------------------|
| Official Communication: | | |
| Name: | Pat Ellis | Cliff Brunson |
| Company: | COG Operating LLC | BBC International, Inc. |
| Address: | 550 W. Texas Ave., Ste. 1300 | 1324 W. Marland |
| PO Box: | | PO Box 805 |
| City, State, Zip Code: | Midland, TX 79701 | Hobbs, NM 88241 |
| Phone Number: | (432) 686-3023 | (575) 397-6388 |
| Fax: | (432) 684-7137 | (575) 397-0397 |
| Email: | pellis@conchoresources.com | cbrunson@bbcinternational.com |

| | | |
|------------------------------|----------------------|------------------|
| Ranking Criteria: | | |
| Depth to Groundwater: | Ranking Score | Site Data |
| <50 ft. | 20 | |
| 50-99 ft. | 10 | |
| >100 ft. | 0 | 0 |

| | | |
|---------------------------------------|----------------------|------------------|
| Well Head Protection: | Ranking Score | Site Data |
| Water Source <1,000 ft., Private <200 | 20 | |
| Water Source >1,000 ft., Private >200 | 0 | 0 |

| | | |
|-------------------------------|----------------------|------------------|
| Surface Body of Water: | Ranking Score | Site Data |
| <200 ft. | 20 | |
| 200 ft. - 1,000 ft. | 10 | |
| >1,000 ft. | 0 | 0 |

| | |
|-----------------------------|---|
| Total Ranking Score: | 0 |
|-----------------------------|---|

NM OIL CONSERVATION
ARTESIA DISTRICT
JUN 06 2014

| Acceptable Soil RRAL (mg/kg) | | |
|------------------------------|------------|------|
| Benzene | Total BTEX | TPH |
| 10 | 50 | 5000 |

RECEIVED



COG Operating LLC

Westall A State #1 Tank Battery

(Release Date 10/25/2013)

**Unit J, Section 36, Township 17 South, Range 29 East
Eddy County, New Mexico**

GPS: N 32.78817° W 104.02323°

ENVIRONMENTAL SITE INVESTIGATION

CLOSURE REPORT

PERFORMED BY:

BBC INTERNATIONAL, INC.
WORLD-WIDE ENVIRONMENTAL SPECIALISTS
1324 W. MARLAND BLVD.
P. O. BOX 805
HOBBS, NEW MEXICO 88240
(575) 397-6388 • FAX (575) 397-0397

June 5, 2014

PREPARED FOR:

**MR. PAT ELLIS
MANAGER, HSE
COG OPERATING LLC
FASKEN CENTER TOWER II
550 WEST TEXAS AVENUE, SUITE 100
MIDLAND, TEXAS 79701**

Mr. Mike Bratcher
Compliance Officer
Oil Conservation Division, District 2
811 South First
Artesia, NM 88210

Re: Closure plan for COG Operating LLC, Westall A State #1 Tank Battery,
Unit J, Section 36, Township 17 South, Range 29 East, Eddy County, NM

1.0 SITE CHARACTERIZATION

The subject site is located South of Loco Hills, NM, in Section 36, Township 17 South, and Range 29 East, Eddy County, New Mexico. The GPS coordinates are N 32.78817° W 104.02323°. The site consists of undeveloped rangeland and petroleum production facilities. On October 25, 2013, a leak occurred at the main produced water line. The spill measured roughly 100 feet in length and 25 feet in width. Approximately 8 bbls of produced water were released and 2 bbls of produced water were recovered.

A diagram of the location including the sample points can be reviewed in Appendix I of this report. The surface soil is light brown sand with caliche and rock. There is no water source within 1,000 feet of this site. Based on the data from the Eddy County Groundwater Trend Map, the depth to groundwater in Section 36, Township 17 South, and Range 29 East is approximately 175 feet. The initial C-141 for the leak is at the end of this report in Appendix III.

2.0 SITE INVESTIGATION ACTIVITIES

On November 19, 2013 and November 20, 2013 BBC International conducted a delineation of the site using a hand auger. Sample points were taken at three locations. At SP1, samples were taken at depths of 1 foot, 2 feet, 3 feet, 6 feet, 9 feet, and 12 feet. At SP2, samples were taken at depths of 1 foot, 2 feet, 3 feet, 4 feet, 7 feet, and 9 feet. And, at SP3, sample depths were 1 foot, 2 feet, 3 feet, and 5 feet. The samples were taken to Cardinal Laboratories and most were analyzed for BTEX, TPH, and chloride content. The following were only analyzed for chloride content: SP1 at 6', SP1 at 9', SP1 at 12', SP2 at 7', SP2 at 9', and SP3 at 5'. The total BTEX content results for SP1 were 4.72 mg/Kg at 1', 2.28 mg/Kg at 2', and 2.27 mg/Kg at 3'. At SP2, total BTEX results were 3.66 mg/Kg at 1', 1.78 mg/Kg at 2', 2.71 mg/Kg at 3', and 1.76 mg/Kg at 4'. All BTEX results for SP3 were below reporting limits. The results for chloride content at SP1 were 1,460 mg/Kg at 1', 1,420 mg/Kg at 2', 1,440 mg/Kg at 3', 1,650 mg/Kg at 6', 2,520 mg/Kg at 9', and 2,160 mg/Kg at 12'. Chloride content results for SP2 were 1,540 mg/Kg at 1', 1,380 mg/Kg at 2', 1,520 mg/Kg at 3', 1,810 mg/Kg at 4', 2,040 mg/Kg at 7', and 2,560 mg/Kg at 9'. At SP3, chloride content results were 2,240 mg/Kg at 1', 1,720 mg/Kg at 2', 1,920 mg/Kg at 3', and 2,640 mg/Kg at

5'. The TPH results for GRO were below reporting limits for all the samples except SP1 at 2', which had a result of 13 mg/Kg. The TPH results for DRO at SP1 were 1,360 mg/Kg at 1', 520 mg/Kg at 2', and 702 mg/Kg at 3'. At SP2, DRO results were 891 mg/Kg at 1', 244 mg/Kg at 2', 462 mg/Kg at 3', and 269 mg/Kg at 4'. And, at SP3, DRO results were 62.7 mg/Kg at 1', 33.1 mg/Kg at 2', and 18.4 mg/Kg at 3'.

Upon review of the initial analytical results, it was determined that additional sampling would need to be completed at all three sample points. Therefore, on December 20, 2013, using a backhoe, additional samples were conducted at 14 feet, 16 feet, and 18 feet at SP1; at 11 feet, 13 feet, 16 feet, and 18 feet at SP2; and at 7 feet at SP3. The samples were taken to Cardinal Laboratories for chloride content analysis, except for SP1 at 14 feet, which was also tested for BTEX and TPH. The BTEX and TPH results for SP1 at 14 feet were all below reporting limits. The results of the chloride content at SP1 were 3,600 mg/Kg at 14', 2,800 mg/Kg at 16', and 2,800 mg/Kg at 18'. At SP2, chloride content was 3,600 mg/Kg at 11', 3,040 mg/Kg at 13', 2,440 mg/Kg at 16', and 2,120 mg/Kg at 18'. And, at SP3, the chloride result at 7' was 112 mg/Kg.

Once these results were received, it was determined that soil borings would need to be drilled to determine the bottom of contamination. Therefore, one soil boring was drilled near SP1 and samples were taken at depths of 20 feet, 30 feet, 40 feet, 50 feet, 60 feet, and 65 feet. The samples were taken to Cardinal Laboratories and analyzed for chloride content. The results for the chloride content at SB1 were 1,960 mg/Kg at 20', 2,480 mg/Kg at 30', 1,730 mg/Kg at 40', 2,840 mg/Kg at 50', 640 mg/Kg at 60', and 496 mg/Kg at 65'.

The results of the analysis are located in Appendix II of this report. The sample point and soil boring locations can be viewed on the site diagram in Appendix I of this report.

3.0 CONCLUSION AND RECOMMENDATION

On April 1, 2014, Cliff Brunson with BBC International met with Mike Bratcher of NMOCD to discuss the proposed remediation plan for this site. Mike Bratcher approved the plan during the meeting and the correspondence correlating this conversation can be located in Appendix IV of this report.

In accordance with the approved remediation plan, excavation was completed by removing the impacted soil to a depth of 3 feet across the entire leak site. Then, a compacted clay liner was installed and the entire site was backfilled with clean soil.

Thus, BBC International requests closure of this site since all remediation activities have been completed as described in the approved plan. Also, a final C-141 is located in Appendix III of this report.

APPENDIX I

Site Diagram

November 2013

Westall A State #1 Tank Battery (10/25/2013)

Unit J, Section 36, Township 17 South, Range 29 East
Eddy County, NM
GPS: N 32.78817° W 104.02323°

Prepared for:
COG Operating LLC
Midland, Texas

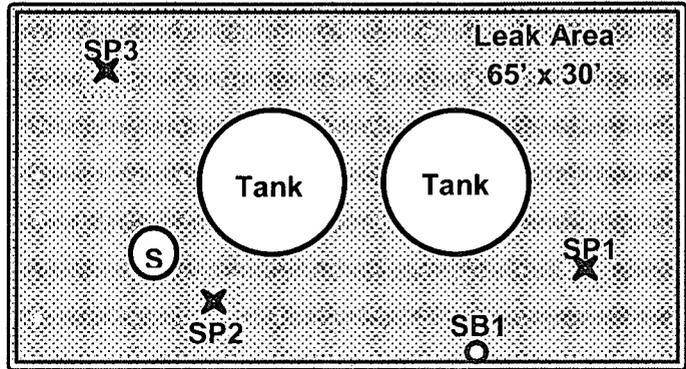
Prepared by:
BBC International, Inc.



COG

Westall A State #1 Tank Battery

Road



Stake

Road

Location Pad

U/L J, Section 36, T17S, R29E
1650'FSL and 1650'FEL
Eddy County, NM
N 32.78817° W 104.02323° at stake
API# 30-015-03798 (nearest well)

BBC International, Inc.

COG

Westall A State #1 Tank Battery

Date: 11/07/2013

DRWG by: K. Purvis

NOT TO SCALE

File: COG 2013



Groundwater Plot

COG Westall A State #1 Tank Battery

County
Eddy

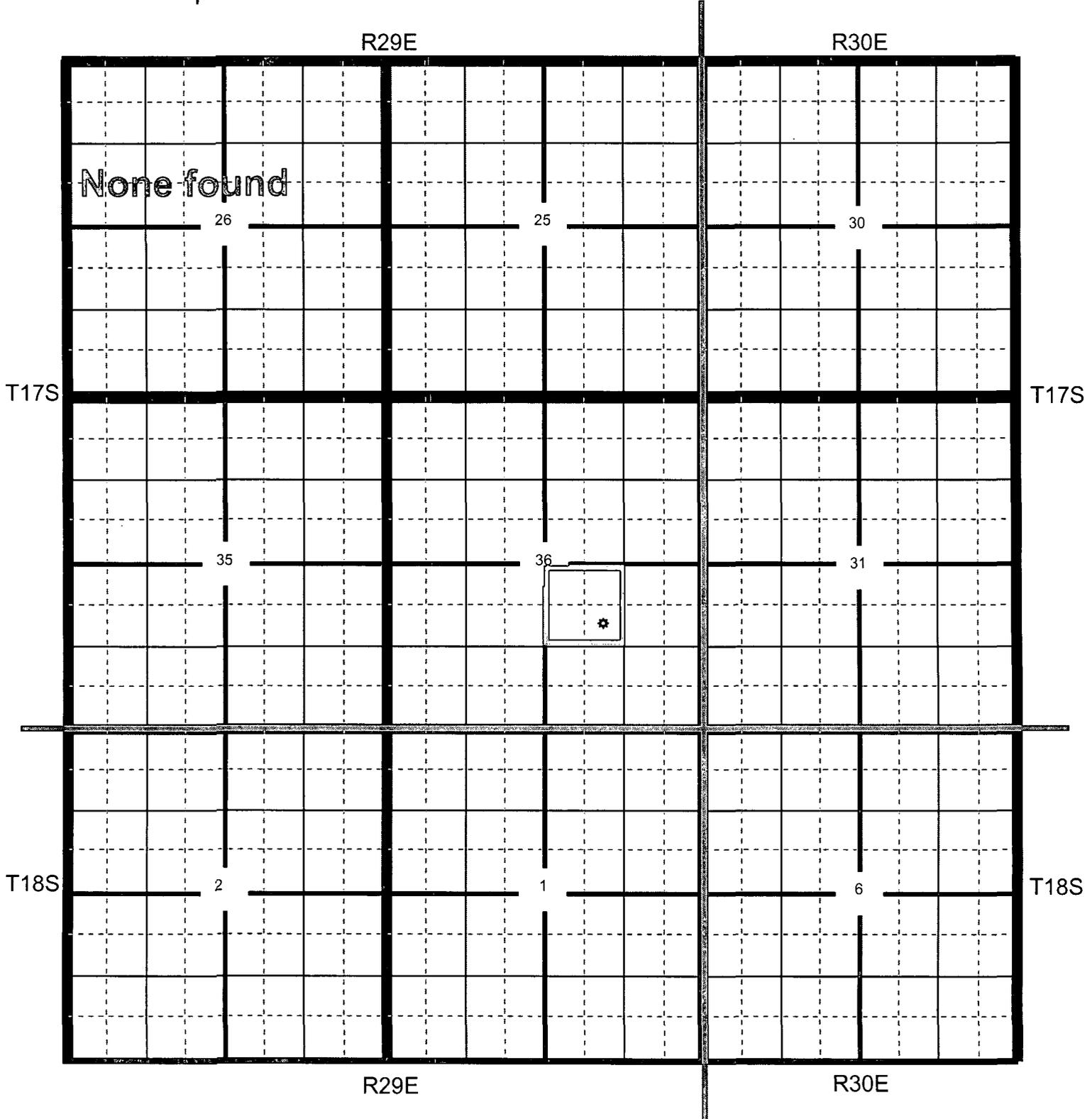
Unit Letter
J

Section
36

Township
17S

Range
29E

Trend Map 175'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases

COG Westall A State #1 Tank Battery

County Eddy Unit Letter J Section 36 Township 17S Range 29E

Trend Map 175'

1

2

| | | | |
|----------------------------|---------------|--|---------------|
| NW/NW None found | NE/NW | NW/NE | NE/NE |
| Unit Letter D | Unit Letter C | Unit Letter B | Unit Letter A |
| SW/NW | SE/NW | SW/NE | SE/NE |
| Unit Letter E | Unit Letter F | Unit Letter G | Unit Letter H |
| NW/SW | NE/SW | NW/SE  | NE/SE |
| Unit Letter L | Unit Letter K | Unit Letter J | Unit Letter I |
| SW/SW | SE/SW | SW/SE | SE/SE |
| Unit Letter M | Unit Letter N | Unit Letter O | Unit Letter P |

3

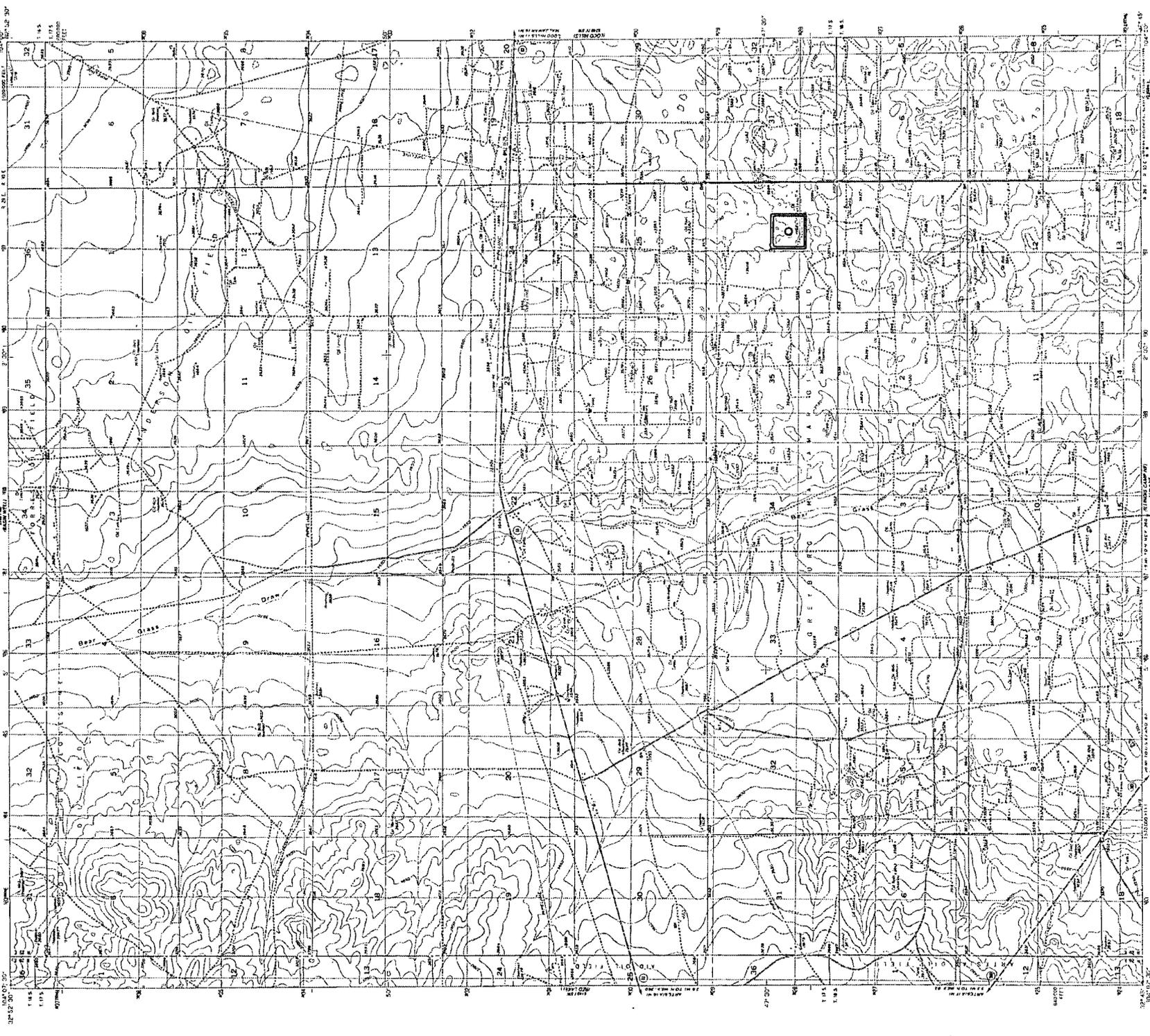
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COG

Westall A State #1 Tank Battery

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RED LAKE SE QUADRANGLE
NEW MEXICO-EDDY CO
7.5-MINUTE SERIES (TOPOGRAPHIC)



Methods of map and published by the Geological Survey
Covered by USGS and 482555
On-line and change in part compiled from aerial photographs
taken 1945. Topography by aneroid survey 1955
30 (30'x30') grid based on the "Arctic Contour Interval"
and 1000
All elevations are in feet, unless otherwise indicated
This map is the product of the American Geographical Society
from the production from 1945 to 1948
47 sheets, each as shown by separate cover 100

SCALE 1:48,000
CONTOUR INTERVAL 10 FEET
NATIONAL GEODESIC DATUM OF 1929
FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 20508
A COLOR DESCRIBED TOPOGRAPHIC MAP AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Highway
Secondary
U.S. Route
Light
Dashed
U.S. Route
Bar Road

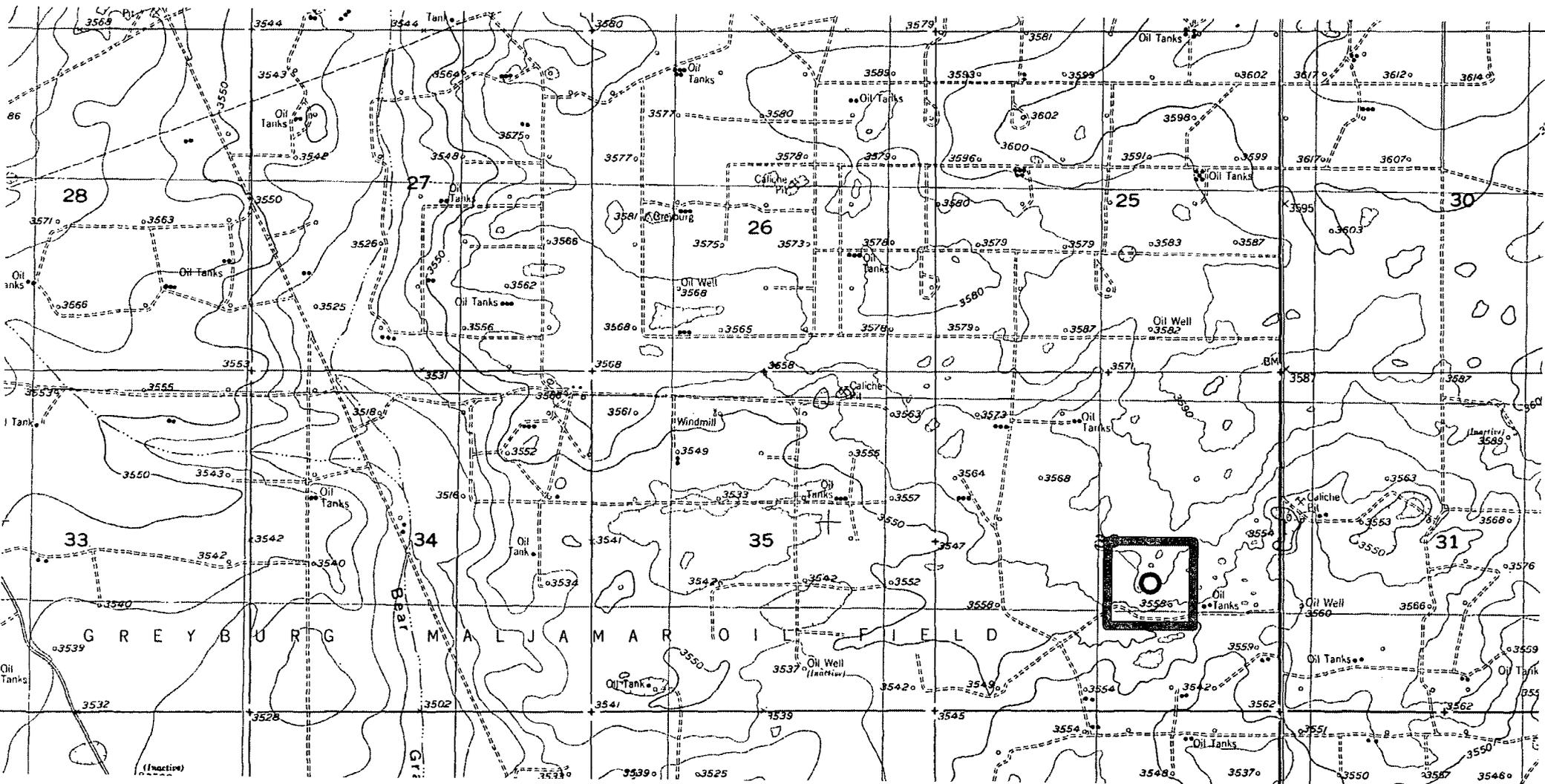
INDEX

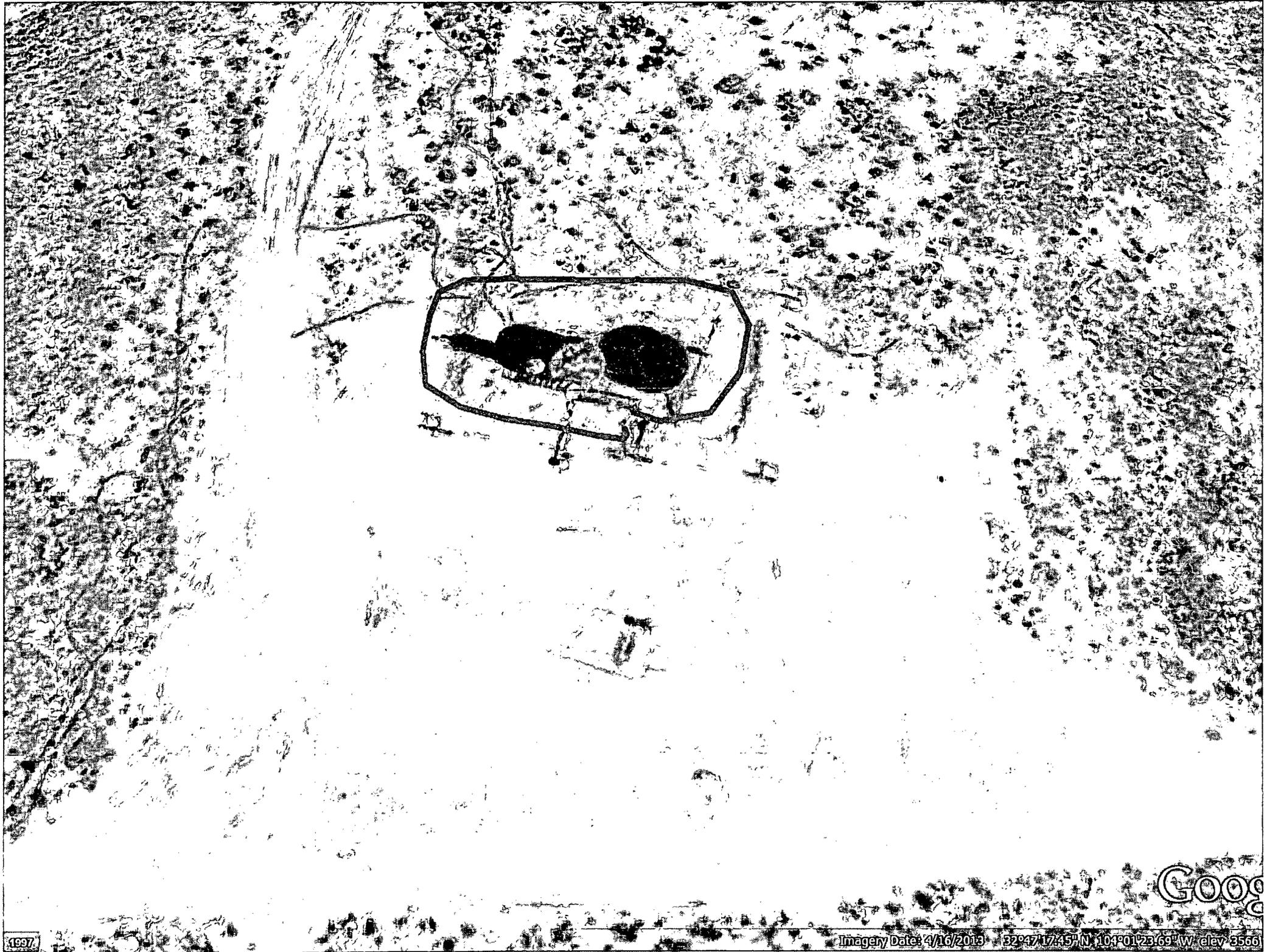
RED LAKE SE, N. MEX.
JULY 1954
1955

SEE STATE RECORDS 1954

COG

Westall A State #1
Tank Battery





APPENDIX II

Laboratory Analytical Results

November 2013, December 2013, and March 2014

Westall A State #1 Tank Battery (10/25/2013)

Unit J, Section 36, Township 17 South, Range 29 East
Eddy County, NM
GPS: N 32.78817° W 104.02323°

Prepared for:
COG Operating LLC
Midland, Texas

Prepared by:
BBC International, Inc.

**Laboratory Analytical Results Summary
COG, Westall A State #1 Tank Battery**

| | | Sample | SP1 @ 1' | SP1 @ 2' | SP1 @ 3' | SP1 @ 6' | SP1 @ 9' | SP1 @ 12' | SP1 @ 14' | SP1 @ 16' | SP1 @ 18' |
|----------------------|------------|--------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Analyte | Method | Date | 11/19/13 | 11/19/13 | 11/19/13 | 11/19/13 | 11/19/13 | 11/19/13 | 12/20/13 | 12/20/13 | 12/20/13 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | N/A | N/A | N/A | <0.050 | N/A | N/A |
| Toluene | BTEX 8021B | | 0.599 | 0.21 | 0.234 | N/A | N/A | N/A | <0.050 | N/A | N/A |
| Ethylbenzene | BTEX 8021B | | 1.48 | 0.717 | 0.716 | N/A | N/A | N/A | <0.050 | N/A | N/A |
| Total Xylenes | BTEX 8021B | | 2.64 | 1.36 | 1.32 | N/A | N/A | N/A | <0.150 | N/A | N/A |
| Total BTEX | BTEX 8021B | | 4.72 | 2.28 | 2.27 | N/A | N/A | N/A | <0.300 | N/A | N/A |
| Chloride | SM4500Cl-B | | 1460 | 1420 | 1440 | 1650 | 2520 | 2160 | 3600 | 2800 | 2800 |
| GRO | TPH 8015M | | <100 | 13 | <100 | N/A | N/A | N/A | <10.0 | N/A | N/A |
| DRO | TPH 8015M | | 1360 | 520 | 702 | N/A | N/A | N/A | <10.0 | N/A | N/A |

| | | Sample | SP2 @ 1' | SP2 @ 2' | SP2 @ 3' | SP2 @ 4' | SP2 @ 7' | SP2 @ 9' | SP2 @ 11' | SP2 @ 13' | SP2 @ 16' | SP2 @ 18' |
|----------------------|------------|--------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Analyte | Method | Date | 11/19/13 | 11/19/13 | 11/19/13 | 11/19/13 | 11/20/13 | 11/20/13 | 12/20/13 | 12/20/13 | 12/20/13 | 12/20/13 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | <0.050 | N/A | N/A | N/A | N/A | N/A | N/A |
| Toluene | BTEX 8021B | | 0.359 | 0.128 | 0.249 | 0.143 | N/A | N/A | N/A | N/A | N/A | N/A |
| Ethylbenzene | BTEX 8021B | | 1.14 | 0.556 | 0.851 | 0.551 | N/A | N/A | N/A | N/A | N/A | N/A |
| Total Xylenes | BTEX 8021B | | 2.16 | 1.1 | 1.61 | 1.07 | N/A | N/A | N/A | N/A | N/A | N/A |
| Total BTEX | BTEX 8021B | | 3.66 | 1.78 | 2.71 | 1.76 | N/A | N/A | N/A | N/A | N/A | N/A |
| Chloride | SM4500Cl-B | | 1540 | 1380 | 1520 | 1810 | 2040 | 2560 | 3600 | 3040 | 2440 | 2120 |
| GRO | TPH 8015M | | <100 | <50.0 | <50.0 | <50.0 | N/A | N/A | N/A | N/A | N/A | N/A |
| DRO | TPH 8015M | | 891 | 244 | 462 | 269 | N/A | N/A | N/A | N/A | N/A | N/A |

| | | Sample | SP3 @ 1' | SP3 @ 2' | SP3 @ 3' | SP3 @ 5' | SP3 @ 7' |
|----------------------|------------|--------|-------------|-------------|-------------|-------------|------------|
| Analyte | Method | Date | 11/20/13 | 11/20/13 | 11/20/13 | 11/20/13 | 12/20/13 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | N/A | N/A |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | N/A | N/A |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | N/A | N/A |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 | N/A | N/A |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | <0.300 | N/A | N/A |
| Chloride | SM4500Cl-B | | 2240 | 1720 | 1920 | 2640 | 112 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | N/A | N/A |
| DRO | TPH 8015M | | 62.7 | 33.1 | 18.4 | N/A | N/A |

Laboratory Analytical Results Summary
Westall A State #1 Tank Battery

| | | Sample | SB1 @ 20' | SB1 @ 30' | SB1 @ 40' | SB1 @ 50' | SB1 @ 60' | SB1 @ 65' |
|-----------------|---------------|-------------|-------------|-------------|-------------|-------------|------------|------------|
| Analyte | Method | Date | 3/21/14 | 3/21/14 | 3/21/14 | 3/21/14 | 3/21/14 | 3/21/14 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Chloride | SM4500Cl-B | | 1960 | 2480 | 1730 | 2840 | 640 | 496 |

December 04, 2013

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: WESTAL A STATE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/26/13 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Caley D. Keene
Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 11/26/2013 | Sampling Date: | 11/19/2013 |
| Reported: | 12/04/2013 | Sampling Type: | Soil |
| Project Name: | WESTAL A STATE BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Amanda Ponce |
| Project Location: | LOCO HILLS, NM | | |

Sample ID: SP 1 @ 1 FT (H302886-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | S-04 | |
|-------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 1.60 | | |
| Toluene* | 0.599 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 2.36 | | |
| Ethylbenzene* | 1.48 | 0.050 | 11/27/2013 | ND | 2.09 | 104 | 2.00 | 2.91 | | |
| Total Xylenes* | 2.64 | 0.150 | 11/27/2013 | ND | 6.14 | 102 | 6.00 | 2.88 | | |
| Total BTEX | 4.72 | 0.300 | 11/27/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 150 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1460 | 16.0 | 12/02/2013 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <100 | 100 | 11/27/2013 | ND | 225 | 112 | 200 | 1.52 | | |
| DRO >C10-C28 | 1360 | 100 | 11/27/2013 | ND | 216 | 108 | 200 | 3.15 | | |

Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 151 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 11/26/2013 | Sampling Date: | 11/19/2013 |
| Reported: | 12/04/2013 | Sampling Type: | Soil |
| Project Name: | WESTAL A STATE BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Amanda Ponce |
| Project Location: | LOCO HILLS, NM | | |

Sample ID: SP 1 @ 2 FT (H302886-02)

| BTEX 80218 | | mg/kg | | Analyzed By: MS | | | | | | |
|-------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 1.60 | | |
| Toluene* | 0.210 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 2.36 | | |
| Ethylbenzene* | 0.717 | 0.050 | 11/27/2013 | ND | 2.09 | 104 | 2.00 | 2.91 | | |
| Total Xylenes* | 1.36 | 0.150 | 11/27/2013 | ND | 6.14 | 102 | 6.00 | 2.88 | | |
| Total BTEX | 2.28 | 0.300 | 11/27/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 119 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1420 | 16.0 | 12/02/2013 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | 13.0 | 10.0 | 11/27/2013 | ND | 225 | 112 | 200 | 1.52 | | |
| DRO >C10-C28 | 520 | 10.0 | 11/27/2013 | ND | 216 | 108 | 200 | 3.15 | | |

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

 Received: 11/26/2013
 Reported: 12/04/2013
 Project Name: WESTAL A STATE BATTERY
 Project Number: NONE GIVEN
 Project Location: LOCO HILLS, NM

 Sampling Date: 11/19/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Amanda Ponce

Sample ID: SP 1 @ 3 FT (H302886-03)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|-------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 1.60 | | |
| Toluene* | 0.234 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 2.36 | | |
| Ethylbenzene* | 0.716 | 0.050 | 11/27/2013 | ND | 2.09 | 104 | 2.00 | 2.91 | | |
| Total Xylenes* | 1.32 | 0.150 | 11/27/2013 | ND | 6.14 | 102 | 6.00 | 2.88 | | |
| Total BTEX | 2.27 | 0.300 | 11/27/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1440 | 16.0 | 12/02/2013 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <100 | 100 | 11/27/2013 | ND | 225 | 112 | 200 | 1.52 | | |
| DRO >C10-C28 | 702 | 100 | 11/27/2013 | ND | 216 | 108 | 200 | 3.15 | | |

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 144 % 63.6-154

Sample ID: SP 1 @ 6 FT (H302886-04)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1650 | 16.0 | 12/02/2013 | ND | 432 | 108 | 400 | 3.77 | | |

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 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 11/26/2013 | Sampling Date: | 11/19/2013 |
| Reported: | 12/04/2013 | Sampling Type: | Soil |
| Project Name: | WESTAL A STATE BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Amanda Ponce |
| Project Location: | LOCO HILLS, NM | | |

Sample ID: SP 1 @ 9 FT (H302886-05)

| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2520 | 16.0 | 12/02/2013 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: SP 1 @ 12 FT (H302886-06)

| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2160 | 16.0 | 12/02/2013 | ND | 432 | 108 | 400 | 3.77 | |

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| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 11/26/2013 | Sampling Date: | 11/19/2013 |
| Reported: | 12/04/2013 | Sampling Type: | Soil |
| Project Name: | WESTAL A STATE BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Amanda Ponce |
| Project Location: | LOCO HILLS, NM | | |

Sample ID: SP 2 @ 1 FT (H302886-07)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 1.60 | | |
| Toluene* | 0.359 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 2.36 | | |
| Ethylbenzene* | 1.14 | 0.050 | 11/27/2013 | ND | 2.09 | 104 | 2.00 | 2.91 | | |
| Total Xylenes* | 2.16 | 0.150 | 11/27/2013 | ND | 6.14 | 102 | 6.00 | 2.88 | | |
| Total BTEX | 3.66 | 0.300 | 11/27/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PIC) 124 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1540 | 16.0 | 12/02/2013 | ND | 432 | 108 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <100 | 100 | 11/27/2013 | ND | 225 | 112 | 200 | 1.52 | | |
| DRO >C10-C28 | 891 | 100 | 11/27/2013 | ND | 216 | 108 | 200 | 3.15 | | |

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 11/26/2013 | Sampling Date: | 11/19/2013 |
| Reported: | 12/04/2013 | Sampling Type: | Soil |
| Project Name: | WESTAL A STATE BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Amanda Ponce |
| Project Location: | LOCO HILLS, NM | | |

Sample ID: SP 2 @ 2 FT (H302886-08)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|-------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 1.60 | | |
| Toluene* | 0.128 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 2.36 | | |
| Ethylbenzene* | 0.556 | 0.050 | 11/27/2013 | ND | 2.09 | 104 | 2.00 | 2.91 | | |
| Total Xylenes* | 1.10 | 0.150 | 11/27/2013 | ND | 6.14 | 102 | 6.00 | 2.88 | | |
| Total BTEX | 1.78 | 0.300 | 11/27/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1380 | 16.0 | 12/04/2013 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <50.0 | 50.0 | 11/27/2013 | ND | 225 | 112 | 200 | 1.52 | | |
| DRO >C10-C28 | 244 | 50.0 | 11/27/2013 | ND | 216 | 108 | 200 | 3.15 | | |

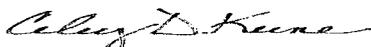
Surrogate: 1-Chlorooctane 94.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 11/26/2013 | Sampling Date: | 11/19/2013 |
| Reported: | 12/04/2013 | Sampling Type: | Soil |
| Project Name: | WESTAL A STATE BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Amanda Ponce |
| Project Location: | LOCO HILLS, NM | | |

Sample ID: SP 2 @ 3 FT (H302886-09)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 1.60 | | |
| Toluene* | 0.249 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 2.36 | | |
| Ethylbenzene* | 0.851 | 0.050 | 11/27/2013 | ND | 2.09 | 104 | 2.00 | 2.91 | | |
| Total Xylenes* | 1.61 | 0.150 | 11/27/2013 | ND | 6.14 | 102 | 6.00 | 2.88 | | |
| Total BTEX | 2.71 | 0.300 | 11/27/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PIC) 115 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1520 | 16.0 | 12/04/2013 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <50.0 | 50.0 | 11/27/2013 | ND | 225 | 112 | 200 | 1.52 | | |
| DRO >C10-C28 | 462 | 50.0 | 11/27/2013 | ND | 216 | 108 | 200 | 3.15 | | |

Surrogate: 1-Chlorooctane 76.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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 Fax To: (575) 397-0397

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 11/26/2013 | Sampling Date: | 11/19/2013 |
| Reported: | 12/04/2013 | Sampling Type: | Soil |
| Project Name: | WESTAL A STATE BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Amanda Ponce |
| Project Location: | LOCO HILLS, NM | | |

Sample ID: SP 2 @ 4 FT (H302886-10)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|-------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 1.60 | | |
| Toluene* | 0.143 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 2.36 | | |
| Ethylbenzene* | 0.551 | 0.050 | 11/27/2013 | ND | 2.09 | 104 | 2.00 | 2.91 | | |
| Total Xylenes* | 1.07 | 0.150 | 11/27/2013 | ND | 6.14 | 102 | 6.00 | 2.88 | | |
| Total BTEX | 1.76 | 0.300 | 11/27/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1810 | 16.0 | 12/04/2013 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <50.0 | 50.0 | 11/27/2013 | ND | 225 | 112 | 200 | 1.52 | | |
| DRO >C10-C28 | 269 | 50.0 | 11/27/2013 | ND | 216 | 108 | 200 | 3.15 | | |

Surrogate: 1-Chlorooctane 75.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.6 % 63.6-154

Sample ID: SP 2 @ 7 FT (H302886-11)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2040 | 16.0 | 12/04/2013 | ND | 400 | 100 | 400 | 3.92 | | |

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| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 11/26/2013 | Sampling Date: | 11/20/2013 |
| Reported: | 12/04/2013 | Sampling Type: | Soil |
| Project Name: | WESTAL A STATE BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Amanda Ponce |
| Project Location: | LOCO HILLS, NM | | |

Sample ID: SP 2 @ 9 FT (H302886-12)

| Chloride, SM4500Cl-B | mg/kg | Analyzed By: AP | | | | | | | |
|----------------------|-------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2560 | 16.0 | 12/04/2013 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: SP 3 @ 1 FT (H302886-13)

| BTEX 8021B | mg/kg | Analyzed By: MS | | | | | | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 1.60 | |
| Toluene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 2.36 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.09 | 104 | 2.00 | 2.91 | |
| Total Xylenes* | <0.150 | 0.150 | 11/27/2013 | ND | 6.14 | 102 | 6.00 | 2.88 | |
| Total BTEX | <0.300 | 0.300 | 11/27/2013 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 113 % 89.4-126

| Chloride, SM4500Cl-B | mg/kg | Analyzed By: AP | | | | | | | |
|----------------------|-------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2240 | 16.0 | 12/04/2013 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | mg/kg | Analyzed By: MS | | | | | | | |
|------------------------|-------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/27/2013 | ND | 205 | 102 | 200 | 10.5 | |
| DRO >C10-C28 | 62.7 | 10.0 | 11/27/2013 | ND | 202 | 101 | 200 | 13.7 | |

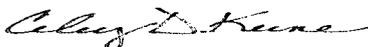
Surrogate: 1-Chlorooctane 73.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 79.6 % 63.6-154

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 11/26/2013 | Sampling Date: | 11/20/2013 |
| Reported: | 12/04/2013 | Sampling Type: | Soil |
| Project Name: | WESTAL A STATE BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Amanda Ponce |
| Project Location: | LOCO HILLS, NM | | |

Sample ID: SP 3 @ 2 FT (H302886-14)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 1.60 | | |
| Toluene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 2.36 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.09 | 104 | 2.00 | 2.91 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/27/2013 | ND | 6.14 | 102 | 6.00 | 2.88 | | |
| Total BTEX | <0.300 | 0.300 | 11/27/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 89.4-126

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1720 | 16.0 | 12/04/2013 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 11/27/2013 | ND | 205 | 102 | 200 | 10.5 | | |
| DRO >C10-C28 | 33.1 | 10.0 | 11/27/2013 | ND | 202 | 101 | 200 | 13.7 | | |

Surrogate: 1-Chlorooctane 78.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 80.0 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|------------------------|---------------------|---------------|
| Received: | 11/26/2013 | Sampling Date: | 11/20/2013 |
| Reported: | 12/04/2013 | Sampling Type: | Soil |
| Project Name: | WESTAL A STATE BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Amanda Ponce |
| Project Location: | LOCO HILLS, NM | | |

Sample ID: SP 3 @ 3 FT (H302886-15)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 1.60 | | |
| Toluene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.12 | 106 | 2.00 | 2.36 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/27/2013 | ND | 2.09 | 104 | 2.00 | 2.91 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/27/2013 | ND | 6.14 | 102 | 6.00 | 2.88 | | |
| Total BTEX | <0.300 | 0.300 | 11/27/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 112 % 89.4-126

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1920 | 16.0 | 12/04/2013 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 11/27/2013 | ND | 205 | 102 | 200 | 10.5 | | |
| DRO >C10-C28 | 18.4 | 10.0 | 11/27/2013 | ND | 202 | 101 | 200 | 13.7 | | |

Surrogate: 1-Chlorooctane 95.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.5 % 63.6-154

Sample ID: SP 3 @ 5 FT (H302886-16)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2640 | 16.0 | 12/04/2013 | ND | 400 | 100 | 400 | 3.92 | | |

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* = Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES
 101 East Marland, Hobbs, NM 88240
 (505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|----------------------|--|--|--|------------|--|---|--|------------|--|---|--|-------|--|-----|--|--|--|---------|--|----------|--|--|--|--|--|--|--|--|--|
| Company Name: BBC International, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Cliff Brunson | | | | P.O. #: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 805 | | | | Company: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs | | State: NM Zip: 88241 | | Attn: <i>SA ME</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: 575-397-6388 | | Fax #: 575-397-0397 | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: | | Project Owner: | | City: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <i>West A State Battery</i> | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <i>LoCo Hills</i> | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <i>Cory Ray</i> | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | CONTAINERS | | MATRIX | | | | | | | | | | | | | | PRESERV | | SAMPLING | | | | | | | | | |
| | | | | GROUNDWATER | | WASTEWATER | | | | ACID/BASE: | | DATE | | TIME | | | | | | | | | | | | | | | | | |
| | | | | WASTEWATER | | SOIL | | | | ICE / COOL | | | | | | | | | | | | | | | | | | | | | |
| | | | | SLUDGE | | OTHER: | | | | OTHER: | | | | | | | | | | | | | | | | | | | | | |
| H302886 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | SP1 @ 1A ✓ | | 6 1 | | X | | | | X | | 11/19/13 | | 9:20 | | CL | | | | | | | | | | | | | | | |
| 2 | | SP1 @ 2A ✓ | | 6 1 | | X | | | | X | | 11/19/13 | | 9:33 | | TPH | | | | | | | | | | | | | | | |
| 3 | | SP1 @ 3A ✓ | | 6 1 | | X | | | | X | | 11/19/13 | | 9:50 | | BTX | | | | | | | | | | | | | | | |
| 4 | | SP1 @ 4A ✓ | | 6 1 | | X | | | | X | | 11/19/13 | | 10:30 | | | | | | | | | | | | | | | | | |
| 5 | | SP1 @ 9A ✓ | | 6 1 | | X | | | | X | | 11/19/13 | | 11:05 | | | | | | | | | | | | | | | | | |
| 6 | | SP1 @ 12A ✓ | | 6 1 | | X | | | | X | | 11/19/13 | | 11:55 | | | | | | | | | | | | | | | | | |
| 7 | | SP2 @ 1A ✓ | | 6 1 | | X | | | | X | | 11/19/13 | | 12:38 | | | | | | | | | | | | | | | | | |
| 8 | | SP2 @ 2A ✓ | | 6 1 | | X | | | | X | | 11/19/13 | | 1:50 | | | | | | | | | | | | | | | | | |
| 9 | | SP2 @ 3A ✓ | | 6 1 | | X | | | | X | | 11/19/13 | | 2:10 | | | | | | | | | | | | | | | | | |
| 10 | | SP2 @ 4A ✓ | | 6 1 | | X | | | | X | | 11/19/13 | | 2:38 | | | | | | | | | | | | | | | | | |
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| Relinquished By: Date: 11/20/13 Time: 9:50am | | | | Received By: <i>[Signature]</i> | | | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: | | | | REMARKS: | | | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>4.7 CITS</i> | | | | Sample Condition Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | CHECKED BY: (Initials) <i>[Signature]</i> | | | | | | | | | | | | | | | | | | | | | | | |

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 02, 2014

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: WESTAL

Enclosed are the results of analyses for samples received by the laboratory on 12/23/13 16:59.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Caley D. Keene". The signature is written in a cursive style with a large, stylized initial 'C'.

Caley D. Keene
Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

 Received: 12/23/2013
 Reported: 01/02/2014
 Project Name: WESTAL
 Project Number: NONE GIVEN
 Project Location: LOCO HILLS, NM

 Sampling Date: 12/20/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 14 FT (H303119-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/30/2013 | ND | 1.77 | 88.5 | 2.00 | 3.75 | | |
| Toluene* | <0.050 | 0.050 | 12/30/2013 | ND | 1.76 | 87.9 | 2.00 | 3.39 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/30/2013 | ND | 1.73 | 86.5 | 2.00 | 3.04 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/30/2013 | ND | 5.08 | 84.6 | 6.00 | 2.87 | | |
| Total BTEX | <0.300 | 0.300 | 12/30/2013 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 3600 | 16.0 | 01/02/2014 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: ms | | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 12/27/2013 | ND | 189 | 94.6 | 200 | 5.41 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 12/27/2013 | ND | 184 | 91.9 | 200 | 10.3 | | |

Surrogate: 1-Chlorooctane 105 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

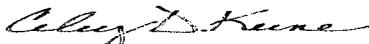
Sample ID: SP 1 @ 16 FT (H303119-02)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2800 | 16.0 | 01/02/2014 | ND | 400 | 100 | 400 | 3.92 | | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

 Received: 12/23/2013
 Reported: 01/02/2014
 Project Name: WESTAL
 Project Number: NONE GIVEN
 Project Location: LOCO HILLS, NM

 Sampling Date: 12/20/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 18 FT (H303119-03)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2800 | 16.0 | 01/02/2014 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: SP 2 @ 11 FT (H303119-04)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 3600 | 16.0 | 01/02/2014 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: SP 2 @ 13 FT (H303119-05)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 3040 | 16.0 | 01/02/2014 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: SP 2 @ 16 FT (H303119-06)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2440 | 16.0 | 01/02/2014 | ND | 400 | 100 | 400 | 3.92 | | |

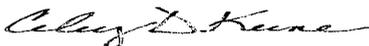
Sample ID: SP 2 @ 18 FT (H303119-07)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2120 | 16.0 | 01/02/2014 | ND | 400 | 100 | 400 | 3.92 | | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|----------------|---------------------|---------------|
| Received: | 12/23/2013 | Sampling Date: | 12/20/2013 |
| Reported: | 01/02/2014 | Sampling Type: | Soil |
| Project Name: | WESTAL | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | LOCO HILLS, NM | | |

Sample ID: SP 3 @ 7 FT (H303119-08)

| Chloride, SM4500Cl-B | mg/kg | Analyzed By: AP | | | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/02/2014 | ND | 400 | 100 | 400 | 3.92 | |

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions.

| | |
|-----|--|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------|----------------------|--------------|-------------------------|------------|----------|-----|----------|--------|------------|------------|--------|-----------------|--------------|----------|----------|----------|--|--|--|--|--|--|--|--|--|--|
| Company Name: BBC International, Inc. | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Cliff Brunson | | P.O. #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 805 | | Company: | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88241 | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: 575-397-6388 Fax #: 575-397-0397 | | Address: <i>Same</i> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: Project Owner: <i>COG</i> | | City: <i>Same</i> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: <i>Westal</i> | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <i>Loco Hills</i> | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: <i>Gary Pat</i> | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | PRESERV. | | | SAMPLING | | | | | | | | | | | | | | | | |
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | OTHER: | DATE | TIME | | | | | | | | | | | | | |
| <i>H303119</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <i>1 SP2 @ 14 FT</i> | <i>G</i> | <i>1</i> | | | <i>X</i> | | | | | <i>X</i> | | <i>12-20-13</i> | <i>9:15</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| | <i>2 SP2 @ 16 FT</i> | <i>G</i> | <i>2</i> | | | <i>X</i> | | | | | <i>X</i> | | <i>12-20-13</i> | <i>10:00</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| | <i>3 SP2 @ 18 FT</i> | <i>G</i> | <i>1</i> | | | <i>X</i> | | | | | <i>X</i> | | <i>12-20-13</i> | <i>10:28</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| | <i>4 SP2 @ 11 FT</i> | <i>G</i> | <i>1</i> | | | <i>X</i> | | | | | <i>X</i> | | <i>12-20-13</i> | <i>10:55</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| | <i>5 SP2 @ 13 FT</i> | <i>G</i> | <i>1</i> | | | <i>X</i> | | | | | <i>X</i> | | <i>12-20-13</i> | <i>11:30</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| | <i>6 SP2 @ 16 FT</i> | <i>G</i> | <i>2</i> | | | <i>X</i> | | | | | <i>X</i> | | <i>12-20-13</i> | <i>12:15</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| | <i>7 SP2 @ 18 FT</i> | <i>G</i> | <i>2</i> | | | <i>X</i> | | | | | <i>X</i> | | <i>12-20-13</i> | <i>12:38</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |
| | <i>8 SP3 @ 7 FT</i> | <i>G</i> | <i>1</i> | | | <i>X</i> | | | | | <i>X</i> | | <i>12-20-13</i> | <i>1:15</i> | <i>X</i> | <i>X</i> | <i>X</i> | | | | | | | | | | |

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| | | | | |
|--|---|---------------------------------|--|----------------|
| Relinquished By: | Date: <i>12/23/13</i> | Received By: <i>Jodi Henson</i> | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| | Time: <i>4:59</i> | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #: |
| Relinquished By: | Date: | Received By: | REMARKS: | |
| | Time: | | | |
| Delivered By: (Circle One) | Sample Condition | CHECKED BY: <i>JH</i> | | |
| Sampler - UPS - Bus - Other: <i>4.60</i> | Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No | (Initials) | | |

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

#54

March 28, 2014

Cliff Brunson
BBC International, Inc.
P.O. Box 805
Hobbs, NM 88241

RE: WESTALL A STATE #1 TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/24/14 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Caley D. Keene
Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|---------------------------------|---------------------|---------------|
| Received: | 03/24/2014 | Sampling Date: | 03/21/2014 |
| Reported: | 03/28/2014 | Sampling Type: | Soil |
| Project Name: | WESTALL A STATE #1 TANK BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SB 1 @ 20' (H400868-01)

| Chloride, SM4500Cl-B | mg/kg | Analyzed By: AP | | | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1960 | 16.0 | 03/26/2014 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SB 1 @ 30' (H400868-02)

| Chloride, SM4500Cl-B | mg/kg | Analyzed By: AP | | | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2480 | 16.0 | 03/26/2014 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SB 1 @ 40' (H400868-03)

| Chloride, SM4500Cl-B | mg/kg | Analyzed By: AP | | | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1730 | 16.0 | 03/26/2014 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SB 1 @ 50' (H400868-04)

| Chloride, SM4500Cl-B | mg/kg | Analyzed By: AP | | | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2840 | 16.0 | 03/26/2014 | ND | 416 | 104 | 400 | 3.77 | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

| | | | |
|-------------------|---------------------------------|---------------------|---------------|
| Received: | 03/24/2014 | Sampling Date: | 03/21/2014 |
| Reported: | 03/28/2014 | Sampling Type: | Soil |
| Project Name: | WESTALL A STATE #1 TANK BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: SB 1 @ 60' (H400868-05)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 640 | 16.0 | 03/26/2014 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: SB 1 @ 65' (H400868-06)

| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 496 | 16.0 | 03/26/2014 | ND | 416 | 104 | 400 | 3.77 | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

| | |
|-----|--|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

Cardinal Laboratories

*=Accredited Analyte

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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

APPENDIX III

C-141

October 2013 and June 2014

Westall A State #1 Tank Battery (10/25/2013)

Unit J, Section 36, Township 17 South, Range 29 East
Eddy County, NM
GPS: N 32.78817° W 104.02323°

Prepared for:
COG Operating LLC
Midland, Texas

Prepared by:
BBC International, Inc.

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 | COG OPERATING LLC | Contact | Robert McNeill |
| Address | 600 West Illinois Avenue, Midland, TX 79701 | Telephone No. | 432-230-0077 |
| Facility Name | Westall A State #1 | Facility Type | Tank Battery |
| Surface Owner | State | Mineral Owner | Lease No. (API#) 30-015-03798 |

LOCATION OF RELEASE

| | | | | | | | | |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
| J | 36 | 17S | 29E | | | | | Eddy |

Latitude 32.78815 Longitude 104.02333

NATURE OF RELEASE

| | | | | | |
|-----------------------------|--|---|------------|----------------------------|--------------------|
| Type of Release | Oil | Volume of Release | 20bbbls | Volume Recovered | 15bbbls |
| Source of Release | Tank Battery | Date and Hour of Occurrence | 10-25-2013 | Date and Hour of Discovery | 10-25-2013 10:24am |
| Was Immediate Notice Given? | <input type="checkbox"/> Yes <input checked="" 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.* **NM OIL CONSERVATION**
ARTESIA DISTRICT

Describe Cause of Problem and Remedial Action Taken.*
A 4" valve separated at thread seam on the production tank. Replaced the 4" valve. **JUN 06 2014**

Describe Area Affected and Cleanup Action Taken.* **RECEIVED**
Initially 20bbbls of oil were released due to a 4" valve that failed on the production inside the tank battery. We were able to recover 15bbbls of oil with a vacuum truck. The spill was contained inside the Tank Battery. All free fluid has been recovered. BBC will sample the spill site area to delineate any possible contamination from the release and we will present a work plan to the NMOCD for approval prior to any significant remediation work.

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: | <i>Robert Grubbs Jr.</i> | OIL CONSERVATION DIVISION | |
| Printed Name: | Robert Grubbs Jr. | Approved by District Supervisor: | |
| Title: | Senior Environmental Coordinator | Approval Date: | Expiration Date: |
| E-mail Address: | rgrubbs@concho.com | Conditions of Approval: | |
| Date: | 10-30-2013 | Phone: | 432-661-6601 |
| | | | Attached <input type="checkbox"/> |

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
100 Rio Brazos Road, Aztec, NM 87410
District IV
20 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

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

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

| | | | |
|-----------------|---|---------------|--------------|
| Name of Company | COG OPERATING LLC | Contact | Pat Ellis |
| Address | 600 West Illinois Avenue, Midland, TX 79701 | Telephone No. | 432-230-0077 |
| Facility Name | Westall A State #1 | Facility Type | Tank Battery |

| | | | |
|---------------|-------|---------------|----------------------|
| Surface Owner | State | Mineral Owner | API No. 30-015-03798 |
|---------------|-------|---------------|----------------------|

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| J | 36 | 17S | 29E | | | | | Eddy |

Latitude N 32.78815° Longitude W 104.02333°

NATURE OF RELEASE

| | | | | | |
|---|---|-----------------------------|------------|----------------------------|----------------------|
| Type of Release | Oil | Volume of Release | 20 bbls | Volume Recovered | 15 bbls |
| Source of Release | Tank Battery | Date and Hour of Occurrence | 10/25/2013 | Date and Hour of Discovery | 10/25/2013 @10:24 am |
| Was Immediate Notice Given? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required | | | | |
| By Whom? | If YES, To Whom? | | | | |
| 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.*

NM OIL CONSERVATION
ARTESIA DISTRICT

Describe Cause of Problem and Remedial Action Taken.*

JUN 06 2014

A 4" valve separated at thread seam on the production tank. Replaced the 4" valve.

RECEIVED

Describe Area Affected and Cleanup Action Taken.*

Initially 20 bbls of oil were released due to a 4" valve that failed on the production inside the tank battery. We were able to recover 15 bbls of oil with a vacuum truck. The spill was contained inside the tank battery. All free fluid has been recovered. BBC International completed remediation in accordance with the remediation plan approved by Mike Bratcher of NMOCD on April 1, 2014.

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.

OIL CONSERVATION DIVISION

Signature:

Printed Name: Robert Grubbs Jr.

Approved by Environmental Specialist:

Title: Senior Environmental Coordinator

Approval Date:

Expiration Date:

E-mail Address: rgrubbs@concho.com

Conditions of Approval:

Attached

Date: 06-05-2014

Phone: (432) 661-6601

* Attach Additional Sheets If Necessary

APPENDIX IV

Correspondence

April 2014

Westall A State #1 Tank Battery (10/25/2013)

Unit J, Section 36, Township 17 South, Range 29 East
Eddy County, NM
GPS: N 32.78817° W 104.02323°

Prepared for:
COG Operating LLC
Midland, Texas

Prepared by:
BBC International, Inc.

Jennifer Gilkey

From: Cliff P. Brunson <cbrunson@bbcinternational.com>
Sent: Sunday, April 06, 2014 4:50 PM
To: Mike Bratcher
Cc: Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: COG (Concho)-Westall A State #1 Tank Battery-Remediation Plan
Attachments: Remediation Packet.pdf

Mike,

This e-mail is to confirm our conversation on April 1, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, COG (Concho) will excavate to a depth of 3 feet in the entire leak area that is depicted on the attached site diagram. Then a compacted clay liner will be installed and the site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com

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