

Bratcher, Mike, EMNRD

From: Bustamante, Amalia, EMNRD
Sent: Tuesday, January 8, 2019 12:26 PM
To: dan.jones@premieroilgas.com
Cc: Bratcher, Mike, EMNRD
Subject: C-141 received 1/08/2019: PARKE A TRACT 1 #16
Attachments: 2RP4264 PARKE A TRACT 1 16 C141.pdf

Mr. Jones,

OCD, District II just received your C-141 regarding the Final Report today, 1/8/19. The submitted C-141 is outdated and unfortunately OCD no longer uses the form.

Click on this link: <http://www.emnrd.state.nm.us/OCD/documents/NewC-141corrected9-4-18.pdf> to retrieve the new C-141 that coincides with the new revised rule 19.15.29. Since there is an existing Initial Report on file via OCD well files online, please complete pages 3-6 of the updated form in order to close the incident. It appears the original **date of occurrence is 3/16/2017 not 6/16/2017**.

Once complete, re-submit via e mail along with the attached files minus page 1 (outdated form), to the attention of Mike Bratcher @ mike.bratcher@state.nm.us and cc: Bradford Billings (Santa Fe) @ Bradford.Billings@state.nm.us

Any questions pertaining to this matter, please feel free to contact Mr. Bratcher.

Thank you,

Amalia Bustamante

State of New Mexico
EMNRD-OIL CONSERVATION DIV.-DIST.II
811 S. First Street
Artesia, New Mexico 88210
☎575-748-1283 ext. 113
✉ Amalia.Bustamante@state.nm.us



Page 2 of 37
Received by OCD: 9/18/2024 11:25:56 AM
Released to Imaging: 9/18/2024 11:27:35 AM

RECEIVED

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

OUTDATED FORM

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

JAN 08 2019

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.
DISTRICT II-ARTESIA

Release Notification and Corrective Action

*2RP-4264

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Premier Oil & Gas, Inc.	Contact: Daniel Jones	
Address: 901 Waterfall Way Suite 201, Richardson, TX 75080	Telephone No.: 972-470-0228	
Facility Name: Parke A Tract I #16	Facility Type: Water Disposal, Fluid Storage	
Surface Owner: Federal	Mineral Owner: Federal	API No.: 30-015-30457

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	22	17S	30E	1650	SOUTH	430	WEST	EDDY

Latitude 32.8173561 Longitude -103.9670105 NAD83

NATURE OF RELEASE

Type of Release: Oil Production Fluid Release	Volume of Release: 50 bbls	Volume Recovered: 40 bbls
Source of Release: Storage Tank	Date and Hour of Occurrence: 6/16/2017 6:30 Am *	Date and Hour of Discovery: 6/16/2017 7:00 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? OCD Representative, BLM	
By Whom? Mark Hope (Field Man)	Date and Hour: 6/16/2017 8:00 AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

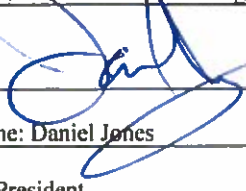
* 3/16/17

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Water leg plugged off on Gun barrel, all fluid then got shipped over to Oil Tank, causing an overflow of fluid. Fixed Gun barrel so it divided the fluid properly to water and oil.

Describe Area Affected and Cleanup Action Taken.*
Recovered 40 bbls out of dyke. Removed 2-1/2 gravel truck loads down to the liner and put down new gravel. Remove and replace contaminated soil. Executed Delineation Workplan RP # 2RP-4264 as directed by BBC International and approved by the OCD.

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

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Daniel Jones		Approved by Environmental Specialist:	
Title: Vice President		Approval Date:	Expiration Date:
E-mail Address: dan.jones@premieroilgas.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1/4/2019 Phone: 974-470-0228			

Attach Additional Sheets If Necessary

OUTDATED FORM

KC LIGHT TOWERS, LLC
709 WEST FAIRGROUND ROAD
POST OFFICE BOX 1688
ARTESIA, NEW MEXICO 88211

Invoice

Phone # 5753088647

Date 3/6/2018
Invoice # 10987

4/22/18
\$6550
APR 23 REC'D

Bill To
PREMIER OIL COMPANY POST OFFICE BOX 837205 RICHARDSON, TEXAS 75083

Description	Quantity	Rate	Amount
COMPANY REPRESENTATIVE: MARK HOPE SERVICE LOCATION: DALE H PARKE A TRACT 1 #16 - NM SERVICE DATES: 2/28/18 -3/1/18 -3/2/18			
BACKHOE AND DUMPTRUCK FOR 22 HOURS TO REMOVE AND REPLACE CONTAMINATED SOIL	22	90.00	1,980.00T
BELLYDUMP FOR 9.5 HOURS FOR ADDITIONAL HAULING OF MATERIAL TO LEA LAND BY LASO TRUCKING	9.5	105.00	997.50T
NM STATE TAXES		5.9583%	177.41
Total			\$3,154.91

Thank you for your business

Mark E. Hope

KC LIGHT TOWERS, LLC
709 WEST FAIRGROUND ROAD
POST OFFICE BOX 1688
ARTESIA, NEW MEXICO 88211

Invoice

Phone # 5753088647

Date 2/26/2018

Invoice # 10954

Bill To

PREMIER OIL COMPANY
POST OFFICE BOX 837205
RICHARDSON, TEXAS 75083

3/22/18
#8450
MAR 15 REC'D

Description	Quantity	Rate	Amount
COMPANY REPRESENTATIVE: MARK HOPE SERVICE LOCATION: PARKE 1-16 DISPOSAL SERVICE DATE: 2/20/18			
BACKHOE AND DUMPTRUCK FOR 2 HOURS TO HAUL AND SPREAD GRAVEL	2	90.00	180.00T
13.19 TONS OF 3/8 GRAVEL	13.19	24.00	316.56T
NM STATE TAXES		5.9583%	29.59
Total			\$526.15

Thank you for your business.

Mark Hope



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

DELINEATION WORKPLAN

PREMIER OIL AND GAS – PARKE A TRACT 1 #16 (Leak Date: 3/16/17)

RP # 2RP-4264
API NO. 30-015-30457

This delineation workplan and remediation proposal addresses the release associated with RP # 2RP-4264.

The following information includes:

1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
2. GPS information for sample points and sample methodology
3. Depth to groundwater information (i.e., pdf of OSE search results and/or copy of Chevron groundwater trend map).
4. Laboratory analysis results summary table and original laboratory analysis reports
5. A copy of the initial C-141
6. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD guidelines, the following remediation is proposed:

Premier Oil and Gas will excavate the spill area as depicted on the following site diagram. The area near SP1 and SP2 (blue shade on diagram) will be excavated to a depth of 3 feet. The area near SP3 – SP5 (pink shade on diagram) will require zero remediation activities.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.

Premier Oil & Gas, Parke A Tract 1 #16

Leak date: 03/16/2017

Eddy County, NM

API# 30-015-30457

2RP-4264

Legend

- 3 ft Excavation
- Cardinal sample points
- Sample points
- Leak Area
- No remediation necessary



Google Earth

@ 2017 Google

Premier Oil & Gas, Parke A Tract 1 #16

Sample points, hand auger/backhoe

SP1, N 32.81733 W-103.96745

SP2, N 32.81739 W-103.96744

SP3, N 32.81736 W-103.96751

SP4, N 32.81745 W-103.96745

SP5, N 32.81751 W-103.96747

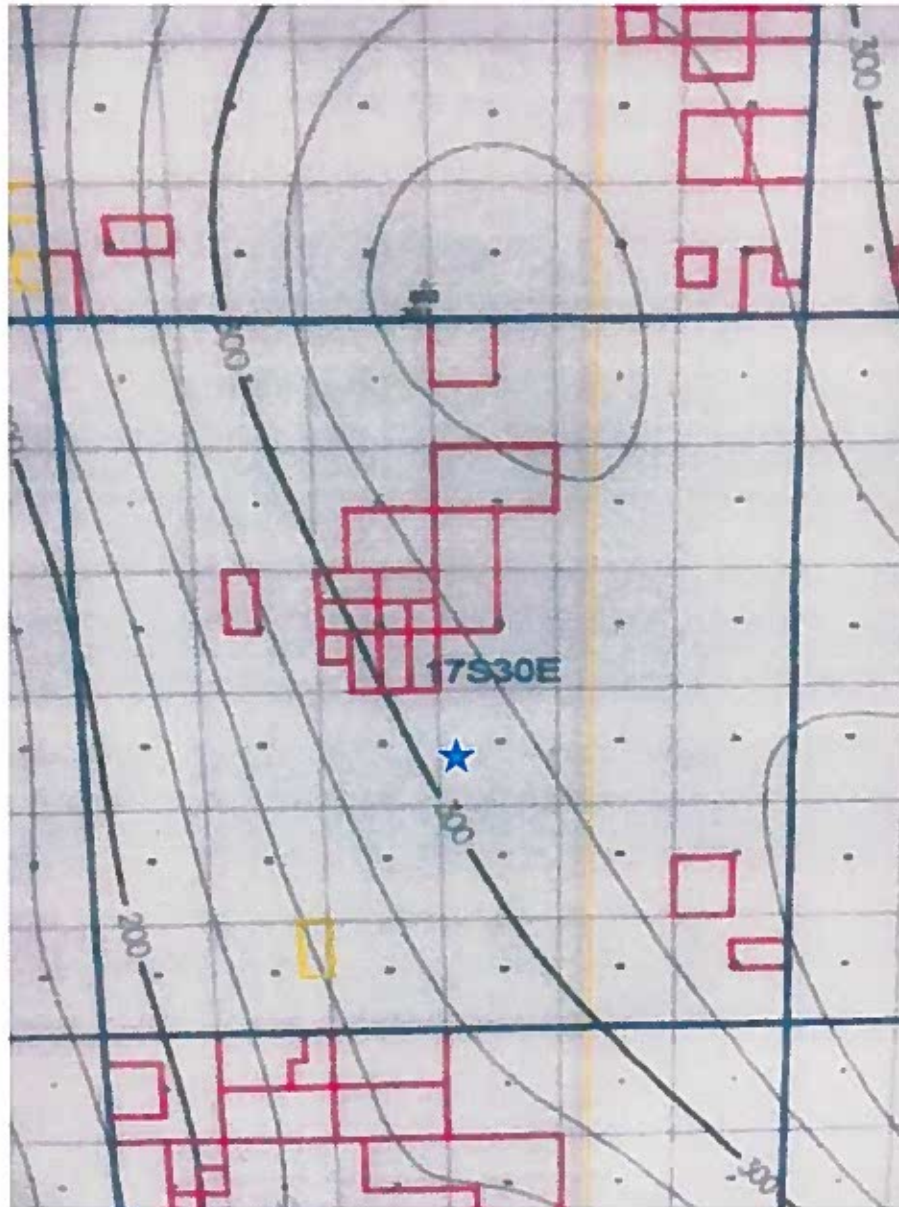
NORTH, N 32.81755 W-103.96748

SOUTH, N 32.81728 W-103.96750

EAST, N 32.81740 W-103.96736

WEST, N 32.81737 W-103.96755

Premier Oil & Gas, Parke A Tract 1 #16
U/L L, Section 22, T17S, R30E
Groundwater: 300'





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 596766 Northing (Y): 3631603 Radius: 1700

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/9/17 10:30 AM WATER COLUMN/ AVERAGE DEPTH TO WATER

Public Land Survey System (PLSS)

☐ Q64: Q16: Q4: Sec: Tws: Rng:

State Plane Coordinate System - NAD27

☐ X: ft Y: ft Zone:

State Plane Coordinate System - NAD83

☐ X: ft Y: ft Zone:

Degrees/Minutes/Seconds

☐ Longitude (X): Degrees: ° Minutes: ' Seconds: "

Latitude (Y): Degrees: ° Minutes: ' Seconds: "

UTM - NAD27

☐ Easting (X): mtrs Northing (Y): mtrs Zone:

SUBMIT

All Conversion Results are displayed as **NAD 1983 UTM Zone 13**

Easting (X): mtrs Northing (Y): mtrs

~~~ Please keep screen open to copy UTM values for Reports. ~~~

Laboratory Analytical Results Summary  
Parke A Tract 1 #16

| Analyte       | Method     | Sample ID | SP1 @ SURFACE | SP1 @ 1' | SP1 @ 2' | SP1 @ 3' | SP1 @ 4' | SP1 @ 5' | SP1 @ 10' |
|---------------|------------|-----------|---------------|----------|----------|----------|----------|----------|-----------|
|               |            | Date      | 11/2/17       | 11/2/17  | 11/2/17  | 11/2/17  | 11/2/17  | 11/2/17  | 11/2/17   |
|               |            |           | mg/kg         | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg     |
| Benzene       | BTEX 8021B |           | <0.050        | <0.050   | n/a      | n/a      | n/a      | n/a      | n/a       |
| Toluene       | BTEX 8021B |           | <0.050        | <0.050   | n/a      | n/a      | n/a      | n/a      | n/a       |
| Ethylbenzene  | BTEX 8021B |           | <0.050        | <0.050   | n/a      | n/a      | n/a      | n/a      | n/a       |
| Total Xylenes | BTEX 8021B |           | <0.150        | <0.150   | n/a      | n/a      | n/a      | n/a      | n/a       |
| Total BTEX    | BTEX 8021B |           | <0.300        | <0.300   | n/a      | n/a      | n/a      | n/a      | n/a       |
| Chloride      | SM4500C1-B |           | 6000          | 1920     | 1680     | 1280     | 496      | 160      | 240       |
| GRO           | TPH 8015M  |           | <10.0         | <10.0    | n/a      | n/a      | n/a      | n/a      | n/a       |
| DRO           | TPH 8015M  |           | 531           | 14.3     | n/a      | n/a      | n/a      | n/a      | n/a       |
| EXT DRO       | TPH 8015M  |           | 212           | 19.8     | n/a      | n/a      | n/a      | n/a      | n/a       |

| Analyte       | Method     | Sample ID | SP2 @ SURFACE | SP2 @ 1' | SP2 @ 2' | SP2 @ 3' | SP2 @ 4' | SP2 @ 5' | SP2 @ 10' |
|---------------|------------|-----------|---------------|----------|----------|----------|----------|----------|-----------|
|               |            | Date      | 11/2/17       | 11/2/17  | 11/2/17  | 11/2/17  | 11/2/17  | 11/2/17  | 11/2/17   |
|               |            |           | mg/kg         | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg     |
| Benzene       | BTEX 8021B |           | <0.050        | <0.050   | n/a      | n/a      | n/a      | n/a      | n/a       |
| Toluene       | BTEX 8021B |           | <0.050        | <0.050   | n/a      | n/a      | n/a      | n/a      | n/a       |
| Ethylbenzene  | BTEX 8021B |           | <0.050        | <0.050   | n/a      | n/a      | n/a      | n/a      | n/a       |
| Total Xylenes | BTEX 8021B |           | <0.150        | <0.150   | n/a      | n/a      | n/a      | n/a      | n/a       |
| Total BTEX    | BTEX 8021B |           | <0.300        | <0.300   | n/a      | n/a      | n/a      | n/a      | n/a       |
| Chloride      | SM4500C1-B |           | 432           | 2600     | 1330     | 1090     | 992      | 176      | 192       |
| GRO           | TPH 8015M  |           | 12.9          | <10.0    | n/a      | n/a      | n/a      | n/a      | n/a       |
| DRO           | TPH 8015M  |           | 338           | <10.0    | n/a      | n/a      | n/a      | n/a      | n/a       |
| EXT DRO       | TPH 8015M  |           | 149           | 18.8     | n/a      | n/a      | n/a      | n/a      | n/a       |

| Analyte       | Method     | Sample ID | SP3 @ SURFACE | SP3 @ 1' | SP3 @ 5' |
|---------------|------------|-----------|---------------|----------|----------|
|               |            | Date      | 11/2/17       | 11/2/17  | 11/2/17  |
|               |            |           | mg/kg         | mg/kg    | mg/kg    |
| Benzene       | BTEX 8021B |           | <0.050        | <0.050   | n/a      |
| Toluene       | BTEX 8021B |           | <0.050        | <0.050   | n/a      |
| Ethylbenzene  | BTEX 8021B |           | <0.050        | <0.050   | n/a      |
| Total Xylenes | BTEX 8021B |           | <0.150        | <0.150   | n/a      |
| Total BTEX    | BTEX 8021B |           | <0.300        | <0.300   | n/a      |
| Chloride      | SM4500C1-B |           | 80            | 64       | 48       |
| GRO           | TPH 8015M  |           | <10.0         | <10.0    | n/a      |
| DRO           | TPH 8015M  |           | <10.0         | <10.0    | n/a      |
| EXT DRO       | TPH 8015M  |           | <10.0         | <10.0    | n/a      |

| Analyte       | Method     | Sample ID | SP4 @ SURFACE | SP4 @ 1' | SP4 @ 5' |
|---------------|------------|-----------|---------------|----------|----------|
|               |            | Date      | 11/2/17       | 11/2/17  | 11/2/17  |
|               |            |           | mg/kg         | mg/kg    | mg/kg    |
| Benzene       | BTEX 8021B |           | <0.050        | <0.050   | <0.050   |
| Toluene       | BTEX 8021B |           | 0.054         | <0.050   | <0.050   |
| Ethylbenzene  | BTEX 8021B |           | <0.050        | <0.050   | <0.050   |
| Total Xylenes | BTEX 8021B |           | <0.150        | <0.150   | <0.150   |
| Total BTEX    | BTEX 8021B |           | <0.300        | <0.300   | <0.300   |
| Chloride      | SM4500C1-B |           | 32            | 32       | 32       |
| GRO           | TPH 8015M  |           | <10.0         | <10.0    | <10.0    |
| DRO           | TPH 8015M  |           | <10.0         | <10.0    | <10.0    |
| EXT DRO       | TPH 8015M  |           | <10.0         | <10.0    | <10.0    |

| Analyte       | Method     | Sample ID | SP5 @ SURFACE | SP5 @ 5' |
|---------------|------------|-----------|---------------|----------|
|               |            | Date      | 11/2/17       | 11/2/17  |
|               |            |           | mg/kg         | mg/kg    |
| Benzene       | BTEX 8021B |           | <0.050        | <0.050   |
| Toluene       | BTEX 8021B |           | <0.050        | <0.050   |
| Ethylbenzene  | BTEX 8021B |           | <0.050        | <0.050   |
| Total Xylenes | BTEX 8021B |           | <0.150        | <0.150   |
| Total BTEX    | BTEX 8021B |           | <0.300        | <0.300   |
| Chloride      | SM4500C1-B |           | <16.0         | 48       |
| GRO           | TPH 8015M  |           | <10.0         | <10.0    |
| DRO           | TPH 8015M  |           | <10.0         | <10.0    |
| EXT DRO       | TPH 8015M  |           | <10.0         | <10.0    |

| Cardinal points | Method     | Sample ID | NORTH @ SURFACE | EAST @ SURFACE | WEST @ SURFACE | SOUTH @ SURFACE |
|-----------------|------------|-----------|-----------------|----------------|----------------|-----------------|
|                 |            | Date      | 11/2/17         | 11/2/17        | 11/2/17        | 11/2/17         |
|                 |            |           | mg/kg           | mg/kg          | mg/kg          | mg/kg           |
| Benzene         | BTEX 8021B |           | <0.050          | <0.050         | <0.050         | <0.050          |
| Toluene         | BTEX 8021B |           | <0.050          | <0.050         | <0.050         | <0.050          |
| Ethylbenzene    | BTEX 8021B |           | <0.050          | <0.050         | <0.050         | <0.050          |
| Total Xylenes   | BTEX 8021B |           | <0.150          | <0.150         | <0.150         | <0.150          |
| Total BTEX      | BTEX 8021B |           | <0.300          | <0.300         | <0.300         | <0.300          |
| Chloride        | SM4500C1-B |           | 32              | 256            | 48             | 32              |
| GRO             | TPH 8015M  |           | <10.0           | <10.0          | <10.0          | <10.0           |
| DRO             | TPH 8015M  |           | <10.0           | <10.0          | <10.0          | <10.0           |
| EXT DRO         | TPH 8015M  |           | <10.0           | <10.0          | 10.2           | <10.0           |



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

November 14, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PARKE A TRACT 1 #16

Enclosed are the results of analyses for samples received by the laboratory on 11/07/17 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/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,

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

|                   |                             |                     |                |
|-------------------|-----------------------------|---------------------|----------------|
| Received:         | 11/07/2017                  | Sampling Date:      | 11/02/2017     |
| Reported:         | 11/14/2017                  | Sampling Type:      | Soil           |
| Project Name:     | PARKE A TRACT 1 #16         | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                  | Sample Received By: | Tamara Oldaker |
| Project Location: | PREMIER OIL - LOCO HILLS NM |                     |                |

**Sample ID: SP 1 @ SURFACE (H703094-01)**

| 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           | 11/10/2017 | ND              | 2.00 | 99.8       | 2.00          | 0.460 |           |
| Toluene*       | <0.050 | 0.050           | 11/10/2017 | ND              | 2.02 | 101        | 2.00          | 0.775 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/10/2017 | ND              | 1.97 | 98.4       | 2.00          | 0.492 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/10/2017 | ND              | 6.24 | 104        | 6.00          | 0.154 |           |
| Total BTEX     | <0.300 | 0.300           | 11/10/2017 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIC) 107 % 72-148

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 6000   | 16.0            | 11/09/2017 | ND              | 416 | 104        | 400           | 0.00 |           |

| 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            | 11/09/2017 | ND              | 188 | 93.9       | 200           | 5.29  |           |
| DRO >C10-C28     | 531    | 10.0            | 11/09/2017 | ND              | 200 | 100        | 200           | 0.964 |           |
| EXT DRO >C28-C36 | 212    | 10.0            | 11/09/2017 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 63.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 95.5 % 34.7-157

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.

*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

|                   |                             |                     |                |
|-------------------|-----------------------------|---------------------|----------------|
| Received:         | 11/07/2017                  | Sampling Date:      | 11/02/2017     |
| Reported:         | 11/14/2017                  | Sampling Type:      | Soil           |
| Project Name:     | PARKE A TRACT 1 #16         | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                  | Sample Received By: | Tamara Oldaker |
| Project Location: | PREMIER OIL - LOCO HILLS NM |                     |                |

**Sample ID: SP 1 @ 1 (H703094-02)**

| 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           | 11/11/2017 | ND              | 1.92 | 95.8       | 2.00          | 0.207 |           |
| Toluene*       | <0.050 | 0.050           | 11/11/2017 | ND              | 1.92 | 96.1       | 2.00          | 0.438 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/11/2017 | ND              | 1.88 | 94.2       | 2.00          | 0.927 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/11/2017 | ND              | 5.97 | 99.4       | 6.00          | 0.622 |           |
| Total BTEX     | <0.300 | 0.300           | 11/11/2017 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 72-148

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1920   | 16.0            | 11/09/2017 | ND              | 416 | 104        | 400           | 0.00 |           |

| 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            | 11/09/2017 | ND              | 188 | 93.9       | 200           | 5.29  |           |
| DRO >C10-C28     | 14.3   | 10.0            | 11/09/2017 | ND              | 200 | 100        | 200           | 0.964 |           |
| EXT DRO >C28-C36 | 19.8   | 10.0            | 11/09/2017 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 83.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 83.2 % 34.7-157

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



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

Analytical Results For:

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

|                   |                             |                     |                |
|-------------------|-----------------------------|---------------------|----------------|
| Received:         | 11/07/2017                  | Sampling Date:      | 11/02/2017     |
| Reported:         | 11/14/2017                  | Sampling Type:      | Soil           |
| Project Name:     | PARKE A TRACT 1 #16         | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                  | Sample Received By: | Tamara Oldaker |
| Project Location: | PREMIER OIL - LOCO HILLS NM |                     |                |

Sample ID: SP 1 @ 2 (H703094-03)

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1680   | 16.0            | 11/09/2017 | ND              | 416 | 104        | 400           | 0.00 |           |

Sample ID: SP 1 @ 3 (H703094-04)

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1280   | 16.0            | 11/09/2017 | ND              | 432 | 108        | 400           | 0.00 |           |  |

Sample ID: SP 1 @ 4 (H703094-05)

| Sample ID: SP 1 @ 4 (1703094-03) |        |                 |            |                 |     |            |               |      |           |
|----------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Chloride, SM4500Cl-B             |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
| Analyte                          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                         | 496    | 16.0            | 11/09/2017 | ND              | 432 | 108        | 400           | 0.00 |           |

Sample ID: SP 1 @ 5 (H703094-06)

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 160    | 16.0            | 11/09/2017 | ND              | 432 | 108        | 400           | 0.00 |           |  |

Sample ID: SP 1 @ 10 (H703094-07)

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 240    | 16.0            | 11/09/2017 | ND              | 432 | 108        | 400           | 0.00 |           |

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



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

**Analytical Results For:**

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

|                   |                             |                     |                |
|-------------------|-----------------------------|---------------------|----------------|
| Received:         | 11/07/2017                  | Sampling Date:      | 11/02/2017     |
| Reported:         | 11/14/2017                  | Sampling Type:      | Soil           |
| Project Name:     | PARKE A TRACT 1 #16         | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                  | Sample Received By: | Tamara Oldaker |
| Project Location: | PREMIER OIL - LOCO HILLS NM |                     |                |

**Sample ID: SP 2 @ SURFACE (H703094-08)**

| 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           | 11/11/2017 | ND           | 1.92 | 95.8       | 2.00          | 0.207 |           |                 |
| Toluene*       | <0.050 | 0.050           | 11/11/2017 | ND           | 1.92 | 96.1       | 2.00          | 0.438 |           |                 |
| Ethylbenzene*  | <0.050 | 0.050           | 11/11/2017 | ND           | 1.88 | 94.2       | 2.00          | 0.927 |           |                 |
| Total Xylenes* | <0.150 | 0.150           | 11/11/2017 | ND           | 5.97 | 99.4       | 6.00          | 0.622 |           |                 |
| Total BTEX     | <0.300 | 0.300           | 11/11/2017 | ND           |      |            |               |       |           |                 |

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 72-148

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              |     |            |               |      |           | Analyzed By: AC |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|-----------------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |                 |
| Chloride             | 432    | 16.0            | 11/09/2017 | ND           | 432 | 108        | 400           | 0.00 |           |                 |

| TPH 8015M        |        |                 | mg/kg      |              |     |            |               |       |           | Analyzed By: MS |
|------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|-----------------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |                 |
| GRO C6-C10       | 12.9   | 10.0            | 11/12/2017 | ND           | 189 | 94.3       | 200           | 0.353 |           |                 |
| DRO >C10-C28     | 338    | 10.0            | 11/12/2017 | ND           | 189 | 94.5       | 200           | 1.29  |           |                 |
| EXT DRO >C28-C36 | 149    | 10.0            | 11/12/2017 | ND           |     |            |               |       |           |                 |

Surrogate: 1-Chlorooctane 43.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 50.8 % 34.7-157

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





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

**Analytical Results For:**

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

|                   |                             |                     |                |
|-------------------|-----------------------------|---------------------|----------------|
| Received:         | 11/07/2017                  | Sampling Date:      | 11/02/2017     |
| Reported:         | 11/14/2017                  | Sampling Type:      | Soil           |
| Project Name:     | PARKE A TRACT 1 #16         | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                  | Sample Received By: | Tamara Oldaker |
| Project Location: | PREMIER OIL - LOCO HILLS NM |                     |                |

**Sample ID: SP 2 @ 1 (H703094-09)**

| 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           | 11/11/2017 | ND              | 1.92 | 95.8       | 2.00          | 0.207 |           |
| Toluene*       | <0.050 | 0.050           | 11/11/2017 | ND              | 1.92 | 96.1       | 2.00          | 0.438 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/11/2017 | ND              | 1.88 | 94.2       | 2.00          | 0.927 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/11/2017 | ND              | 5.97 | 99.4       | 6.00          | 0.622 |           |
| Total BTEX     | <0.300 | 0.300           | 11/11/2017 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 72-148

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2600   | 16.0            | 11/09/2017 | ND              | 432 | 108        | 400           | 0.00 |           |

| 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            | 11/12/2017 | ND              | 189 | 94.3       | 200           | 0.353 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 11/12/2017 | ND              | 189 | 94.5       | 200           | 1.29  |           |
| EXT DRO >C28-C36 | 18.8   | 10.0            | 11/12/2017 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 105 % 28.3-164

Surrogate: 1-Chlorooctadecane 106 % 34.7-157

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



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

**Analytical Results For:**

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

|                   |                             |                     |                |
|-------------------|-----------------------------|---------------------|----------------|
| Received:         | 11/07/2017                  | Sampling Date:      | 11/02/2017     |
| Reported:         | 11/14/2017                  | Sampling Type:      | Soil           |
| Project Name:     | PARKE A TRACT 1 #16         | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                  | Sample Received By: | Tamara Oldaker |
| Project Location: | PREMIER OIL - LOCO HILLS NM |                     |                |

**Sample ID: SP 2 @ 2 (H703094-10)**

| Chloride, SM4500CI-B |        | mg/kg           | Analyzed By: AC |              |     |            |               |      |           |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1330   | 16.0            | 11/09/2017      | ND           | 432 | 108        | 400           | 0.00 |           |

**Sample ID: SP 2 @ 3 (H703094-11)**

| Chloride, SM4500CI-B |        | mg/kg           | Analyzed By: AC |              |     |            |               |      |           |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1090   | 16.0            | 11/09/2017      | ND           | 432 | 108        | 400           | 0.00 |           |

**Sample ID: SP 2 @ 4 (H703094-12)**

| Chloride, SM4500CI-B |        | mg/kg           | Analyzed By: AC |              |     |            |               |      |           |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 992    | 16.0            | 11/09/2017      | ND           | 432 | 108        | 400           | 0.00 |           |

**Sample ID: SP 2 @ 5 (H703094-13)**

| Chloride, SM4500CI-B |        | mg/kg           | Analyzed By: AC |              |     |            |               |      |           |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 176    | 16.0            | 11/09/2017      | ND           | 432 | 108        | 400           | 0.00 |           |

**Sample ID: SP 2 @ 10 (H703094-14)**

| Chloride, SM4500CI-B |        | mg/kg           | Analyzed By: AC |              |     |            |               |      |           |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 192    | 16.0            | 11/09/2017      | ND           | 432 | 108        | 400           | 0.00 |           |

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



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

**Analytical Results For:**

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

Received: 11/07/2017  
Reported: 11/14/2017  
Project Name: PARKE A TRACT 1 #16  
Project Number: NONE GIVEN  
Project Location: PREMIER OIL - LOCO HILLS NM

Sampling Date: 11/03/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SP 3 @ SURFACE (H703094-15)**

| 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           | 11/11/2017 | ND              | 1.92 | 95.8       | 2.00          | 0.207 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/11/2017 | ND              | 1.92 | 96.1       | 2.00          | 0.438 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/11/2017 | ND              | 1.88 | 94.2       | 2.00          | 0.927 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/11/2017 | ND              | 5.97 | 99.4       | 6.00          | 0.622 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/11/2017 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (P/E) 10.4 % 72-148

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 11/09/2017 | ND              | 432 | 108        | 400           | 0.00 |           |

| 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            | 11/12/2017 | ND              | 189 | 94.3       | 200           | 0.353 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 11/12/2017 | ND              | 189 | 94.5       | 200           | 1.29  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/12/2017 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 96.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 91.2 % 34.7-157

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



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

### Analytical Results For:

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

|                   |                             |                     |                |
|-------------------|-----------------------------|---------------------|----------------|
| Received:         | 11/07/2017                  | Sampling Date:      | 11/03/2017     |
| Reported:         | 11/14/2017                  | Sampling Type:      | Soil           |
| Project Name:     | PARKE A TRACT 1 #16         | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                  | Sample Received By: | Tamara Oldaker |
| Project Location: | PREMIER OIL - LOCO HILLS NM |                     |                |

### Sample ID: SP 3 @ 1 (H703094-16)

| 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           | 11/11/2017 | ND              | 1.92 | 95.8       | 2.00          | 0.207 |           |
| Toluene*       | <0.050 | 0.050           | 11/11/2017 | ND              | 1.92 | 96.1       | 2.00          | 0.438 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/11/2017 | ND              | 1.88 | 94.2       | 2.00          | 0.927 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/11/2017 | ND              | 5.97 | 99.4       | 6.00          | 0.622 |           |
| Total BTEx     | <0.300 | 0.300           | 11/11/2017 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 72-148

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 64.0   | 16.0            | 11/09/2017 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| 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            | 11/12/2017 | ND              | 189 | 94.3       | 200           | 0.353 |           |  |
| DRO >C10-C28     | <10.0  | 10.0            | 11/12/2017 | ND              | 189 | 94.5       | 200           | 1.29  |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/12/2017 | ND              |     |            |               |       |           |  |

Surrogate: 1-Chlorooctane 108 % 28.3-164

Surrogate: 1-Chlorooctadecane 102 % 34.7-157

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





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

**Analytical Results For:**

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

|                   |                             |                     |                |
|-------------------|-----------------------------|---------------------|----------------|
| Received:         | 11/07/2017                  | Sampling Date:      | 11/03/2017     |
| Reported:         | 11/14/2017                  | Sampling Type:      | Soil           |
| Project Name:     | PARKE A TRACT 1 #16         | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                  | Sample Received By: | Tamara Oldaker |
| Project Location: | PREMIER OIL - LOCO HILLS NM |                     |                |

**Sample ID: SP 3 @ 6 (H703094-17)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 11/09/2017 | ND              | 432 | 108        | 400           | 0.00 |           |

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



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

**Analytical Results For:**

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

|                   |                             |                     |                |
|-------------------|-----------------------------|---------------------|----------------|
| Received:         | 11/07/2017                  | Sampling Date:      | 11/03/2017     |
| Reported:         | 11/14/2017                  | Sampling Type:      | Soil           |
| Project Name:     | PARKE A TRACT 1 #16         | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                  | Sample Received By: | Tamara Oldaker |
| Project Location: | PREMIER OIL - LOCO HILLS NM |                     |                |

**Sample ID: SP 4 @ SURFACE (H703094-18)**

| 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           | 11/11/2017 | ND              | 1.92 | 95.8       | 2.00          | 0.207 |           |
| Toluene*       | 0.054  | 0.050           | 11/11/2017 | ND              | 1.92 | 96.1       | 2.00          | 0.438 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/11/2017 | ND              | 1.88 | 94.2       | 2.00          | 0.927 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/11/2017 | ND              | 5.97 | 99.4       | 6.00          | 0.622 |           |
| Total BTEX     | <0.300 | 0.300           | 11/11/2017 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 72-148

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/09/2017 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| 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            | 11/12/2017 | ND              | 189 | 94.3       | 200           | 0.353 |           |  |
| DRO >C10-C28     | <10.0  | 10.0            | 11/12/2017 | ND              | 189 | 94.5       | 200           | 1.29  |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/12/2017 | ND              |     |            |               |       |           |  |

Surrogate: 1-Chlorooctane 99.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 93.6 % 34.7-157

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



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

Analytical Results For:

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

|                   |                             |                     |                |
|-------------------|-----------------------------|---------------------|----------------|
| Received:         | 11/07/2017                  | Sampling Date:      | 11/03/2017     |
| Reported:         | 11/14/2017                  | Sampling Type:      | Soil           |
| Project Name:     | PARKE A TRACT 1 #16         | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                  | Sample Received By: | Tamara Oldaker |
| Project Location: | PREMIER OIL - LOCO HILLS NM |                     |                |

Sample ID: SP 4 @ 5 (H703094-19)

| 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           | 11/11/2017 | ND              | 1.92 | 95.8       | 2.00          | 0.207 |           |
| Toluene*       | <0.050 | 0.050           | 11/11/2017 | ND              | 1.92 | 96.1       | 2.00          | 0.438 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/11/2017 | ND              | 1.88 | 94.2       | 2.00          | 0.927 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/11/2017 | ND              | 5.97 | 99.4       | 6.00          | 0.622 |           |
| Total BTEX     | <0.300 | 0.300           | 11/11/2017 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 72-148

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 11/09/2017 | ND              | 432 | 108        | 400           | 0.00 |           |

| 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            | 11/12/2017 | ND              | 189 | 94.3       | 200           | 0.353 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 11/12/2017 | ND              | 189 | 94.5       | 200           | 1.29  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/12/2017 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 97.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 90.2 % 34.7-157

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



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

**Analytical Results For:**

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

Received: 11/07/2017  
Reported: 11/14/2017  
Project Name: PARKE A TRACT 1 #16  
Project Number: NONE GIVEN  
Project Location: PREMIER OIL - LOCO HILLS NM

Sampling Date: 11/03/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SP 5 @ SURFACE (H703094-20)**

| 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           | 11/11/2017 | ND              | 1.92 | 95.8       | 2.00          | 0.207 |           |
| Toluene*       | <0.050 | 0.050           | 11/11/2017 | ND              | 1.92 | 96.1       | 2.00          | 0.438 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/11/2017 | ND              | 1.88 | 94.2       | 2.00          | 0.927 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/11/2017 | ND              | 5.97 | 99.4       | 6.00          | 0.622 |           |
| Total BTEX     | <0.300 | 0.300           | 11/11/2017 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 72-148

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 11/09/2017 | ND              | 432 | 108        | 400           | 0.00 |           |

| 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            | 11/12/2017 | ND              | 189 | 94.3       | 200           | 0.353 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 11/12/2017 | ND              | 189 | 94.5       | 200           | 1.29  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/12/2017 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 90.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.2 % 34.7-157

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





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

**Analytical Results For:**

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

|                   |                             |                     |                |
|-------------------|-----------------------------|---------------------|----------------|
| Received:         | 11/07/2017                  | Sampling Date:      | 11/03/2017     |
| Reported:         | 11/14/2017                  | Sampling Type:      | Soil           |
| Project Name:     | PARKE A TRACT 1 #16         | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                  | Sample Received By: | Tamara Oldaker |
| Project Location: | PREMIER OIL - LOCO HILLS NM |                     |                |

**Sample ID: SP 5 @ 5 (H703094-21)**

| 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           | 11/11/2017 | ND              | 1.92 | 95.8       | 2.00          | 0.207 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/11/2017 | ND              | 1.92 | 96.1       | 2.00          | 0.438 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/11/2017 | ND              | 1.88 | 94.2       | 2.00          | 0.927 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/11/2017 | ND              | 5.97 | 99.4       | 6.00          | 0.622 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/11/2017 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 72-148

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 48.0   | 16.0            | 11/09/2017 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| 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            | 11/12/2017 | ND              | 189 | 94.3       | 200           | 0.353 |           |  |
| DRO >C10-C28     | <10.0  | 10.0            | 11/12/2017 | ND              | 189 | 94.5       | 200           | 1.29  |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/12/2017 | ND              |     |            |               |       |           |  |

Surrogate: 1-Chlorooctane 101 % 28.3-164

Surrogate: 1-Chlorooctadecane 93.2 % 34.7-157

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



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

**Analytical Results For:**

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

Received: 11/07/2017  
Reported: 11/14/2017  
Project Name: PARKE A TRACT 1 #16  
Project Number: NONE GIVEN  
Project Location: PREMIER OIL - LOCO HILLS NM

Sampling Date: 11/03/2017  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: NORTH @ SURFACE (H703094-22)**

| 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           | 11/11/2017 | ND           | 1.92            | 95.8       | 2.00          | 0.207 |           |
| Toluene*       | <0.050 | 0.050           | 11/11/2017 | ND           | 1.92            | 96.1       | 2.00          | 0.438 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/11/2017 | ND           | 1.88            | 94.2       | 2.00          | 0.927 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/11/2017 | ND           | 5.97            | 99.4       | 6.00          | 0.622 |           |
| Total BTEX     | <0.300 | 0.300           | 11/11/2017 | ND           |                 |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 72-148

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: AC |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 11/09/2017 | ND           | 432             | 108        | 400           | 0.00 |           |

| 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            | 11/14/2017 | ND           | 193             | 96.4       | 200           | 6.35  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 11/14/2017 | ND           | 195             | 97.5       | 200           | 0.353 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/14/2017 | ND           |                 |            |               |       |           |

Surrogate: 1-Chlorooctane 107 % 28.3-164

Surrogate: 1-Chlorooctadecane 102 % 34.7-157

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



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

**Analytical Results For:**

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

|                   |                             |                     |                |
|-------------------|-----------------------------|---------------------|----------------|
| Received:         | 11/07/2017                  | Sampling Date:      | 11/03/2017     |
| Reported:         | 11/14/2017                  | Sampling Type:      | Soil           |
| Project Name:     | PARKE A TRACT 1 #16         | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                  | Sample Received By: | Tamara Oldaker |
| Project Location: | PREMIER OIL - LOCO HILLS NM |                     |                |

**Sample ID: EAST @ SURFACE (H703094-23)**

| 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           | 11/11/2017 | ND              | 1.92 | 95.8       | 2.00          | 0.207 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/11/2017 | ND              | 1.92 | 96.1       | 2.00          | 0.438 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/11/2017 | ND              | 1.88 | 94.2       | 2.00          | 0.927 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/11/2017 | ND              | 5.97 | 99.4       | 6.00          | 0.622 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/11/2017 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 72-148

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 256    | 16.0            | 11/09/2017 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| 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            | 11/14/2017 | ND              | 193 | 96.4       | 200           | 6.35  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 11/14/2017 | ND              | 195 | 97.5       | 200           | 0.353 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/14/2017 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 86.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 82.9 % 34.7-157

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

Page 28 of 37  
Received by OCD: 9/18/2024 11:25:56 AM  
Released to Imaging: 9/18/2024 11:27:35 AM



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

**Analytical Results For:**

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

|                   |                             |                     |                |
|-------------------|-----------------------------|---------------------|----------------|
| Received:         | 11/07/2017                  | Sampling Date:      | 11/03/2017     |
| Reported:         | 11/14/2017                  | Sampling Type:      | Soil           |
| Project Name:     | PARKE A TRACT 1 #16         | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                  | Sample Received By: | Tamara Oldaker |
| Project Location: | PREMIER OIL - LOCO HILLS NM |                     |                |

**Sample ID: WEST @ SURFACE (H703094-24)**

| 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           | 11/11/2017 | ND           | 1.92            | 95.8       | 2.00          | 0.207 |           |
| Toluene*       | <0.050 | 0.050           | 11/11/2017 | ND           | 1.92            | 96.1       | 2.00          | 0.438 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/11/2017 | ND           | 1.88            | 94.2       | 2.00          | 0.927 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/11/2017 | ND           | 5.97            | 99.4       | 6.00          | 0.622 |           |
| Total BTEX     | <0.300 | 0.300           | 11/11/2017 | ND           |                 |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 72-148

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: AC |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 11/09/2017 | ND           | 432             | 108        | 400           | 0.00 |           |

| 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            | 11/14/2017 | ND           | 193             | 96.4       | 200           | 6.35  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 11/14/2017 | ND           | 195             | 97.5       | 200           | 0.353 |           |
| EXT DRO >C28-C36 | 10.2   | 10.0            | 11/14/2017 | ND           |                 |            |               |       |           |

Surrogate: 1-Chlorooctane 102 % 28.3-164

Surrogate: 1-Chlorooctadecane 98.2 % 34.7-157

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



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

**Analytical Results For:**

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

|                   |                             |                     |                |
|-------------------|-----------------------------|---------------------|----------------|
| Received:         | 11/07/2017                  | Sampling Date:      | 11/03/2017     |
| Reported:         | 11/14/2017                  | Sampling Type:      | Soil           |
| Project Name:     | PARKE A TRACT 1 #16         | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN                  | Sample Received By: | Tamara Oldaker |
| Project Location: | PREMIER OIL - LOCO HILLS NM |                     |                |

**Sample ID: SOUTH @ SURFACE (H703094-25)**

| 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           | 11/11/2017 | ND           | 1.92            | 95.8       | 2.00          | 0.207 |           |
| Toluene*       | <0.050 | 0.050           | 11/11/2017 | ND           | 1.92            | 96.1       | 2.00          | 0.438 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/11/2017 | ND           | 1.88            | 94.2       | 2.00          | 0.927 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/11/2017 | ND           | 5.97            | 99.4       | 6.00          | 0.622 |           |
| Total BTEX     | <0.300 | 0.300           | 11/11/2017 | ND           |                 |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 72-148

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: AC |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 11/09/2017 | ND           | 416             | 104        | 400           | 0.00 |           |

| 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            | 11/14/2017 | ND           | 193             | 96.4       | 200           | 6.35  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 11/14/2017 | ND           | 195             | 97.5       | 200           | 0.353 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/14/2017 | ND           |                 |            |               |       |           |

Surrogate: 1-Chlorooctane 98.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 98.6 % 34.7-157

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





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

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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 on 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





**ARDINAL LABORATORIES**

101 East Maryland, Hobbs, NM 88240  
(505) 393-2328 FAX (505) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

2/3

|                                              |  |                            |  |                         |  |
|----------------------------------------------|--|----------------------------|--|-------------------------|--|
| <b>Company Name:</b> BBC International, Inc. |  | <b>BILL TO</b>             |  | <b>ANALYSIS REQUEST</b> |  |
| <b>Project Manager:</b> Cliff Brunson        |  | <b>P.O. #:</b>             |  |                         |  |
| <b>Address:</b> P.O. Box 805                 |  | <b>Company:</b>            |  |                         |  |
| <b>City:</b> Hobbs                           |  | <b>State:</b> NM           |  | <b>Zip:</b> 88241       |  |
| <b>Phone #:</b> 575-397-6388                 |  | <b>Fax #:</b> 575-397-0397 |  | <b>Address:</b>         |  |
| <b>Project #:</b>                            |  | <b>City:</b>               |  | <b>State:</b>           |  |
| <b>Project Name:</b> Park A Tract / #11      |  | <b>Phone #:</b>            |  | <b>Zip:</b>             |  |
| <b>Project Location:</b> Park A Tract / #11  |  | <b>Fax #:</b>              |  |                         |  |
| <b>Sample Name:</b> 1.0                      |  | <b>PRESERV:</b>            |  | <b>SAMPLING</b>         |  |
| <b>FOR LAB USE ONLY</b>                      |  | <b>MATRIX</b>              |  |                         |  |
| <b>Lab I.D.</b>                              |  | <b>(G)RAB OR (C)OMP</b>    |  |                         |  |
| <b>Sample I.D.</b>                           |  | <b>CONTAINERS</b>          |  |                         |  |
|                                              |  | <b>GROUNDWATER</b>         |  |                         |  |
|                                              |  | <b>WASTEWATER</b>          |  |                         |  |
|                                              |  | <b>SOIL</b>                |  |                         |  |
|                                              |  | <b>OIL</b>                 |  |                         |  |
|                                              |  | <b>SLUDGE</b>              |  |                         |  |
|                                              |  | <b>OTHER</b>               |  |                         |  |
|                                              |  | <b>ACID/BASE</b>           |  |                         |  |
|                                              |  | <b>ICE / COOL</b>          |  |                         |  |
|                                              |  | <b>OTHER</b>               |  |                         |  |
|                                              |  | <b>DATE</b>                |  | <b>TIME</b>             |  |
| HTD 904                                      |  | 11-2-77                    |  | 2:30                    |  |
| 11                                           |  | 11-2-77                    |  | 2:30                    |  |
| 12                                           |  | 11-2-77                    |  | 2:30                    |  |
| 13                                           |  | 11-2-77                    |  | 2:30                    |  |
| 14                                           |  | 11-2-77                    |  | 2:30                    |  |
| 15                                           |  | 11-2-77                    |  | 2:30                    |  |
| 16                                           |  | 11-2-77                    |  | 2:30                    |  |
| 17                                           |  | 11-2-77                    |  | 2:30                    |  |
| 18                                           |  | 11-2-77                    |  | 2:30                    |  |
| 19                                           |  | 11-2-77                    |  | 2:30                    |  |
| 20                                           |  | 11-2-77                    |  | 2:30                    |  |
| SP 203                                       |  | 11-2-77                    |  | 2:30                    |  |
| SP 305                                       |  | 11-2-77                    |  | 2:30                    |  |
| SP 405                                       |  | 11-2-77                    |  | 2:30                    |  |
| SP 505                                       |  | 11-2-77                    |  | 2:30                    |  |
| SP 605                                       |  | 11-2-77                    |  | 2:30                    |  |
| SP 705                                       |  | 11-2-77                    |  | 2:30                    |  |
| SP 805                                       |  | 11-2-77                    |  | 2:30                    |  |
| SP 905                                       |  | 11-2-77                    |  | 2:30                    |  |
| SP 1005                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1105                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1205                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1305                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1405                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1505                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1605                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1705                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1805                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1905                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2005                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2105                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2205                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2305                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2405                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2505                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2605                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2705                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2805                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2905                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 3005                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 3105                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 3205                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 3305                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 3405                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 3505                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 3605                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 3705                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 3805                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 3905                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 4005                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 4105                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 4205                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 4305                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 4405                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 4505                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 4605                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 4705                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 4805                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 4905                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 5005                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 5105                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 5205                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 5305                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 5405                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 5505                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 5605                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 5705                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 5805                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 5905                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 6005                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 6105                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 6205                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 6305                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 6405                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 6505                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 6605                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 6705                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 6805                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 6905                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 7005                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 7105                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 7205                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 7305                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 7405                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 7505                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 7605                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 7705                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 7805                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 7905                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 8005                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 8105                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 8205                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 8305                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 8405                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 8505                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 8605                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 8705                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 8805                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 8905                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 9005                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 9105                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 9205                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 9305                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 9405                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 9505                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 9605                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 9705                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 9805                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 9905                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1005                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1015                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1025                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1035                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1045                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1055                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1065                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1075                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1085                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1095                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1105                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1115                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1125                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1135                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1145                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1155                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1165                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1175                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1185                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1195                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1205                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1215                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1225                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1235                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1245                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1255                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1265                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1275                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1285                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1295                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1305                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1315                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1325                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1335                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1345                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1355                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1365                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1375                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1385                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1395                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1405                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1415                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1425                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1435                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1445                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1455                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1465                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1475                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1485                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1495                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1505                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1515                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1525                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1535                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1545                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1555                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1565                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1575                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1585                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1595                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1605                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1615                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1625                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1635                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1645                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1655                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1665                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1675                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1685                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1695                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1705                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1715                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1725                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1735                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1745                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1755                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1765                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1775                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1785                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1795                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1805                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1815                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1825                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1835                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1845                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1855                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1865                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1875                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1885                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1895                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1905                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1915                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1925                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1935                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1945                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1955                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1965                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1975                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1985                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 1995                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2005                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2015                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2025                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2035                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2045                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2055                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2065                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2075                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2085                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2095                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2105                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2115                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2125                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2135                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2145                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2155                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2165                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2175                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2185                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2195                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2205                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2215                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2225                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2235                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2245                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2255                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2265                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2275                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2285                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2295                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2305                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2315                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2325                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2335                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2345                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2355                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2365                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2375                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2385                                      |  | 11-2-77                    |  | 2:30                    |  |
| SP 2395                                      |  | 11-2-77                    |  |                         |  |



~~W~~

Page 22 of 22

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

**NM OIL CONSERVATION**  
District I 1625 N. French Dr., Hobbs, NM 88240  
District II 811 S. First St., Artesia, NM 88210  
District III 1000 Rio Brazos Road, Aztec, NM 87410  
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505  
ARTESIA DISTRICT  
State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505  
JUN 26 2017  
RECEIVED

Form C-141  
Revised April 3, 2017  
Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

NA B1718027627 OPERATOR ☒ Initial Report ☐ Final Report

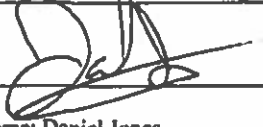
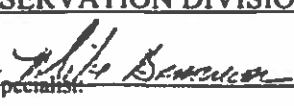
|                                                            |                                              |                       |
|------------------------------------------------------------|----------------------------------------------|-----------------------|
| Name of Company: Premier Oil & Gas, Inc. 17985             | Contact: Daniel Jones                        |                       |
| Address: 901 Waterfall Way Suite 201, Richardson, TX 75080 | Telephone No.: 972-470-0228                  |                       |
| Facility Name: Parke A Tract 1 #16                         | Facility Type: Water Disposal, Fluid Storage |                       |
| Surface Owner: Federal                                     | Mineral Owner: Federal                       | API No.: 30-015-30457 |

**LOCATION OF RELEASE**

|                                                  |               |                 |              |                       |                           |                      |                        |                |
|--------------------------------------------------|---------------|-----------------|--------------|-----------------------|---------------------------|----------------------|------------------------|----------------|
| Unit Letter<br>L                                 | Section<br>22 | Township<br>17S | Range<br>30E | Feet from the<br>1650 | North/South Line<br>SOUTH | Feet from the<br>430 | East/West Line<br>WEST | County<br>EDDY |
| Latitude 32.8173561 Longitude -103.9670105 NAD83 |               |                 |              |                       |                           |                      |                        |                |

**NATURE OF RELEASE**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                   |                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------|
| Type of Release: Oil Production Fluid Release                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Volume of Release: 50 bbls                        | Volume Recovered: 40 bbls                        |
| Source of Release: Storage Tank                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Date and Hour of Occurrence:<br>3/16/2017 6:30 AM | Date and Hour of Discovery:<br>3/16/2017 7:00 AM |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | If YES, To Whom?<br>OCD Representative, BLM       |                                                  |
| By Whom? Mark Hope (Field Man)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Date and Hour: 3/16/2017 8:00 AM                  |                                                  |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | If YES, Volume Impacting the Watercourse.         |                                                  |
| If a Watercourse was Impacted, Describe Fully.*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                   |                                                  |
| Describe Cause of Problem and Remedial Action Taken.*<br>Water leg plugged off on Gun barrel, all fluid then got shipped over to Oil Tank, causing an overflow of fluid. Fixed Gun barrel so it divided the fluid properly to water and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                   |                                                  |
| Describe Area Affected and Cleanup Action Taken.*<br>Recovered 40 bbls out of dyke. Removed 2-1/2 gravel truck loads down to the liner and put down new gravel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                   |                                                  |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |                                                   |                                                  |

|                                                                                                |  |                                                                                                                             |                      |
|------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------|----------------------|
| Signature:  |  | <b>OIL CONSERVATION DIVISION</b>                                                                                            |                      |
| Printed Name: Daniel Jones                                                                     |  | Approved by Environmental Specialist:  |                      |
| Title: Vice President                                                                          |  | Approval Date: 6/28/17                                                                                                      | Expiration Date: N/A |
| E-mail Address: dan.jones@prcmicroilgas.com                                                    |  | Conditions of Approval: See attached                                                                                        |                      |
| Date: 6/21/2017 Phone: 974-470-0228                                                            |  | Attached <input type="checkbox"/>                                                                                           |                      |

\* Attach Additional Sheets If Necessary

2RP-4264



## Operator/Responsible Party,

The OCD has received the form C-141 you provided on 6/26/17 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4264 has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

*The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]*

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 2 office in ARTESIA on or before 7/26/17. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold  
OCD Environmental Bureau Chief  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505  
505-476-3465  
jim.griswold@state.nm.us

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS  
  
Action 384646

CONDITIONS

|                                                                                 |                                                                      |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Operator:<br><br>PREMIER OIL & GAS INC<br>PO Box 837205<br>Richardson, TX 75083 | OGRID:<br><br>17985                                                  |
|                                                                                 | Action Number:<br><br>384646                                         |
|                                                                                 | Action Type:<br><br>[IM-SD] Incident File Support Doc (ENV) (IM-BNF) |

CONDITIONS

|            |                             |                |
|------------|-----------------------------|----------------|
| Created By | Condition                   | Condition Date |
| amaxwell   | Historical document review. | 9/18/2024      |