

Closure Report

APPROVED

By Olivia Yu at 7:57 am, Mar 13, 2018

Site Description

NMOCD grants
closure to 1RP-4694.

Site Name:	Pygmy 27 State #002H
Company:	COG Operating
Legal Description:	U/L C, Section 27, T21S, R33E
County:	Lea County, NM
GPS Coordinates:	N 32.45258° W-103.58161°

Release Data

Date of Release:	05/06/2017
Type of Release:	Produced water
Source of Release:	Flow line
Volume of Release:	1,000 bbls
Volume Recovered:	40 bbls

Remediation Specifications

Remediation Parameters:	EXCAVATE SP1 & SP2 TO 6"; SP3 & SP4 TO 12', w/ liner at 4'; SP5-SP8 TO 4' w/ liner; SP9 & SP10-no remediation; SP11-SP13 TO 6' w/ liner; SP14-SP20 TO 1'. Backfill with clean soil. ***SEE ATTACHED MAP FOR CLARIFICATION	
Remediation Activities:	11/27/2017 TO 01/12/2018	
Plan Sent to OCD:	09/14/2017	Email from Cliff Brunson to Olivia Yu
OCD Approval of Plan:	09/28/2017	Email from Olivia Yu to Cliff Brunson
Plan Sent to SLO:	09/14/2017	Email from Cliff Brunson to Amber Groves
BLM Approval of Plan:	10/15/2017	Email from Amber Groves to Cliff Brunson

Supporting Documentation

Initial C-141	Signed 05/09/2017
Final C-141	Signed 01/22/2018
Site Diagram	May 2017
Groundwater Plot	175'
TOPO Maps	April 2017
Lab Summary	5/30/17-6/1/17, 6/8/17-6/11/17, 8/17/17-8/18/17, & 1/3/18-1/8/18
Lab Analysis	5/30/17-6/1/17, 6/8/17-6/11/17, 8/17/17-8/18/17, & 1/3/18-1/8/18
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan, BBC International requests closure approval from NMOCD.

Cliff Brunson, President, BBC International Inc.

01/24/2018

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: COG Operating LLC OGRID # 229137	Contact: Robert McNeill	
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-683-7443	
Facility Name: Pygmy 27 State #002H	Facility Type: Flowline	
Surface Owner: State & Private	Mineral Owner:	API No. 30-025-42062

LOCATION OF RELEASE

Unit Letter E	Section 28	Township 21S	Range 33E	Feet from the 190	North/South Line North	Feet from the 1980	East/West Line West	County Lea
-------------------------	----------------------	-----------------	--------------	----------------------	---------------------------	-----------------------	------------------------	---------------

Latitude 32.452631 Longitude -103.581967

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 1,000 bbls	Volume Recovered: 40 bbls
Source of Release: Flowline	Date and Hour of Occurrence: May 6, 2017 9:00 am	Date and Hour of Discovery: May 6, 2017 9:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Ms. Yu - NMOCD / Ms. Groves - SLO	
By Whom? Dakota Neel	Date and Hour: May 6, 2017 9:34 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

RECEIVED

By Olivia Yu at 10:14 am, May 10, 2017

Describe Cause of Problem and Remedial Action Taken.*

The release was due to a damaged flowline. It appears that a vehicle ran over the line. The old flowline was repaired.

Describe Area Affected and Cleanup Action Taken.*

The release was within a pasture. A vacuum truck was dispatched to remove all freestanding fluids. Concho will have the spill area sampled to delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

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

Signature: <i>Rebecca Haskell</i>	OIL CONSERVATION DIVISION	
Printed Name: Rebecca Haskell	Approved by Environmental Specialist: <i>of</i>	
Title: Senior HSE Coordinator	Approval Date: 5/10/2017	Expiration Date:
E-mail Address: rhaskell@concho.com	Conditions of Approval: see attached directive	Attached <input checked="" type="checkbox"/>
Date: May 9, 2017 Phone: 432-683-7443		

* Attach Additional Sheets If Necessary

1RP-4694

nOY1713037518

pOY1713039747

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 5/9/2017 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 1R-4694 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 1 office in Hobbs on or before 6/10/2017. 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; C₆ thru C₃₆), 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; C₆ thru C₃₆), 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
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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland, TX 79701	Telephone No. 432-683-7443
Facility Name: Pygmy 27 State #002H	Facility Type: Flow line

Surface Owner: State & Private	Mineral Owner:	API No. 30-025-42062
--------------------------------	----------------	----------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	27	21S	33E	190	North	1980	West	Lea County, NM

Latitude N 32.45258° Longitude W 103.58161°

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 1,000 bbls	Volume Recovered: 40 bbls
Source of Release: Flow line	Date and Hour of Occurrence 05/06/2017 @ 9:00 am	Date and Hour of Discovery 05/06/2017 @ 9:00 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Olivia Yu, NMOCD; Amber Groves, SLO	
By Whom? Dakota Neal, COG Operating	Date and Hour: 05/06/2017 @ 9:34 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

APPROVED

By Olivia Yu at 7:55 am, Mar 13, 2018

Describe Cause of Problem and Remedial Action Taken.*

The release was due to a damaged flow line. It appears that a vehicle ran over the line. The old flow line was repaired.

Describe Area Affected and Cleanup Action Taken.*

This release occurred in the pasture and on a lease road. Vacuum trucks were dispatched to recover standing fluids. The site was delineated according to OCD standards and a remediation plan was created. Remediation was completed in accordance with the remediation plan approved by Olivia Yu of NMOCD via email on 09/28/2017.

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

Signature: <i>Becky Haskell</i>	OIL CONSERVATION DIVISION	
Printed Name: Becky Haskell	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Senior HSE Coordinator	Approval Date: 3/13/2018	Expiration Date: xx/xx/xxxx
E-mail Address: rhaskell@concho.com	Conditions of Approval:	
Date: January 22, 2018 Phone: (432) 683-7443	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

1RP-4694

COG, Pygmy 27 State #002H

Leak date: 05/06/2017

Lea County, NM

API# 30-025-42062

1RP-4694

Legend

- 1' Excavation
- 12' Excavation with liner
- Leak area (yellow)
- 4' Excavation with liner
- 6' Excavation with liner
- 6" Excavation
- Cardinal sample points
- Confirmation sample points
- Remediation activities unnecessary
- Sample points



COG, Pygmy 27 State #002H

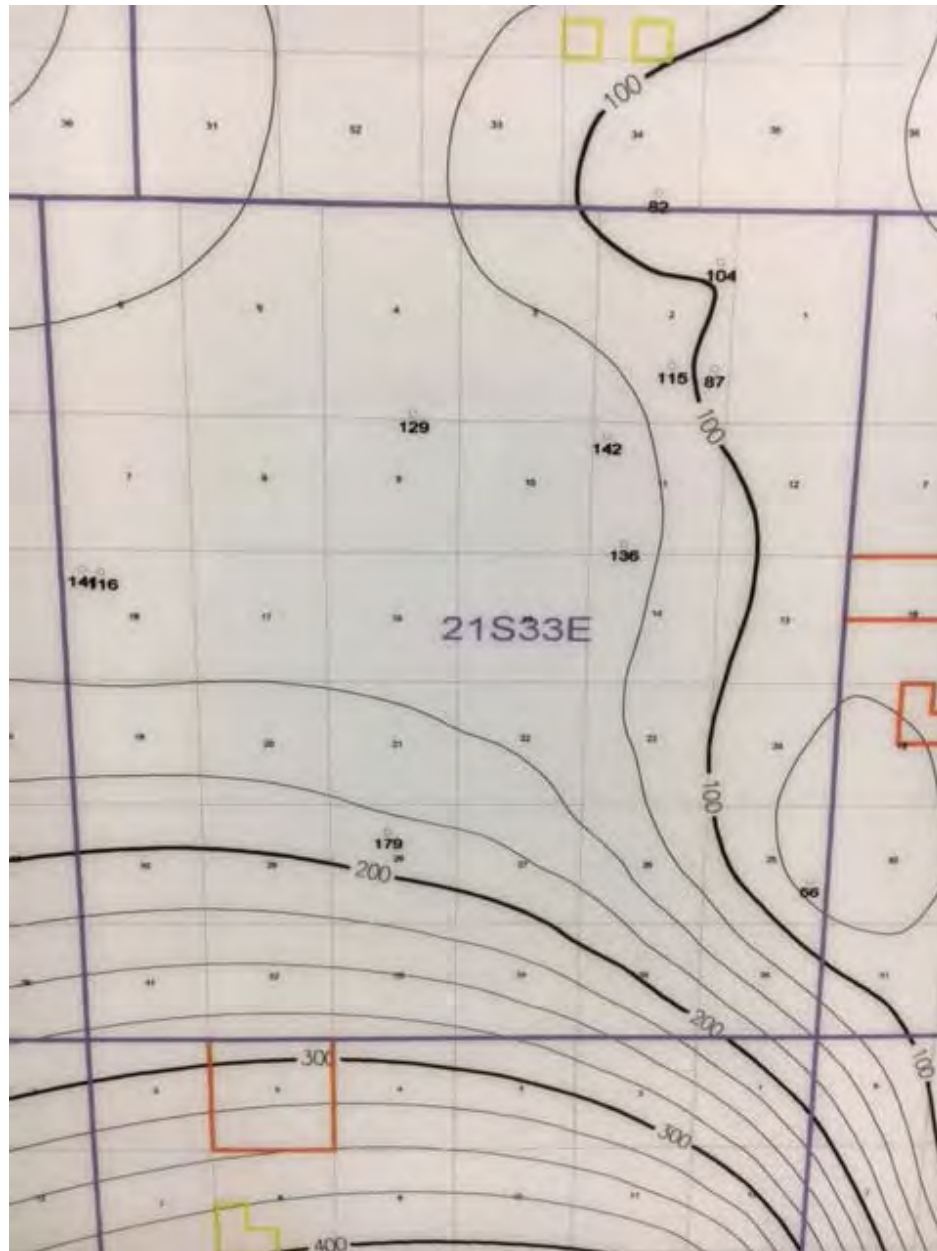
Sample points, hand auger

SP1, N 32.45284 W-103.58088
SP2, N 32.45270 W-103.58078
SP3, N 32.45276 W-103.58097
SP4, N 32.45269 W-103.58111
SP5, N 32.45288 W-103.58132
SP6, N 32.45271 W-103.58128
SP7, N 32.45274 W-103.58151
SP8, N 32.45268 W-103.58179
SP9, N 32.45276 W-103.58195
SP10, N 32.45288 W-103.58212
SP11, N 32.45264 W-103.58209
SP12, N 32.45258 W-103.58226
SP13, N 32.45248 W-103.58206
SP14, N 32.45227 W-103.58175
SP15, N 32.45212 W-103.58140
SP16, N 32.45196 W-103.58102
SP17, N 32.45190 W-103.58078
SP18, N 32.45184 W-103.58059
NORTH, N 32.45301 W-103.58206
SOUTH, N 32.45181 W-103.58053
EAST, N 32.45272 W-103.58063
WEST, N 32.45250 W-103.58246

Confirmation sample points, hand auger

1-SW, N 32.45264 W-103.58122
2-SW, N 32.45275 W-103.58120
3-SW, N 32.45280 W-103.58138
4-SW, N 32.45269 W-103.58147
5-SW, N 32.45278 W-103.58171
6-SW, N 32.45270 W-103.58192
7-SW, N 32.45269 W-103.58212
8-SW, N 32.45253 W-103.58183
9-SW, N 32.45242 W-103.58206
10-SW, N 32.45246 W-103.58223
11-SW, N 32.45262 W-103.58229
12-B, N 32.45220 W-103.58163
13-SW, N 32.45217 W-103.58164
14-B, N 32.45203 W-103.58122
15-SW, N 32.45200 W-103.58124
16-B, N 32.45215 W-103.58137
17-SW, N 32.45217 W-103.58135
18-B, N 32.45193 W-103.58085
19-SW, N 32.45196 W-103.58084

COG, Pygmy 27 State #002H
U/L C, Section 27, T21S, R33E
Groundwater: 175'





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01349 POD1		CP	LE	2	3	1	27	21S	33E	635304	3591576	<input type="text"/>	302	1188	572 616
CP 01357 POD1		CP	LE	4	3	1	27	21S	33E	634782	3591347	<input type="text"/>	566	1286	578 708
CP 01355 POD1		CP	LE	2	1	3	27	21S	33E	634773	3591061	<input type="text"/>	820	1192	582 610
CP 01411 POD2		CP	LE		1	2	34	21S	33E	635534	3590380	<input type="text"/>	1490	1125	
CP 00601 POD1		CP	LE		2	1	28	21S	33E	633502	3591791*	<input type="text"/>	1609	223	
CP 01411 POD1		CP	LE		2	2	34	21S	33E	635968	3590386	<input type="text"/>	1661	1149	

Average Depth to Water: **577 feet**

Minimum Depth: **572 feet**

Maximum Depth: **582 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 635111

Northing (Y): 3591809

Radius: 1700

*UTM location was derived from PLSS - see Help

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.

5/15/17 9:53 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Public Land Survey System (PLSS)

☐

Q64:

Q16:

NE

Q4:

NW

Sec:

27

Tws:

21S

Rng:

33E

State Plane Coordinate System - NAD27

☐

X:

0

ft

Y:

0

ft

Zone:

State Plane Coordinate System - NAD83

☐

X:

0

ft

Y:

0

ft

Zone:

Degrees/Minutes/Seconds

☐

Longitude (X):

Degrees:

0

°

Minutes:

0

'

Seconds:

0

"

Latitude (Y):

Degrees:

0

°

Minutes:

0

'

Seconds:

0

"

UTM - NAD27

☐

Easting (X):

0

mtrs

Northing (Y):

0

mtrs

Zone:

SUBMIT

All Conversion Results are displayed as NAD 1983 UTM Zone 13

Easting (X):

635111.0

mtrs

Northing (Y):

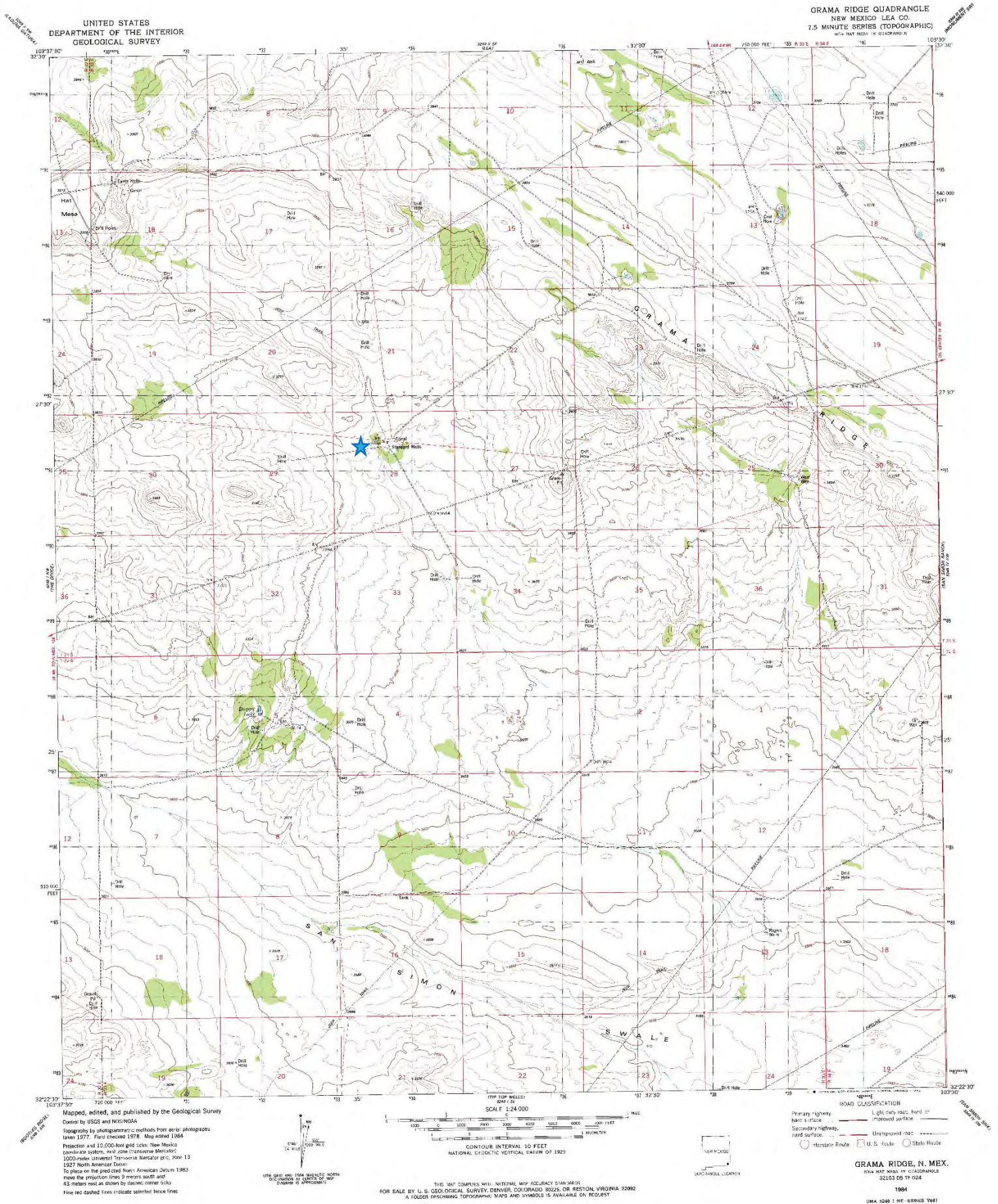
3591809.0

mtrs

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

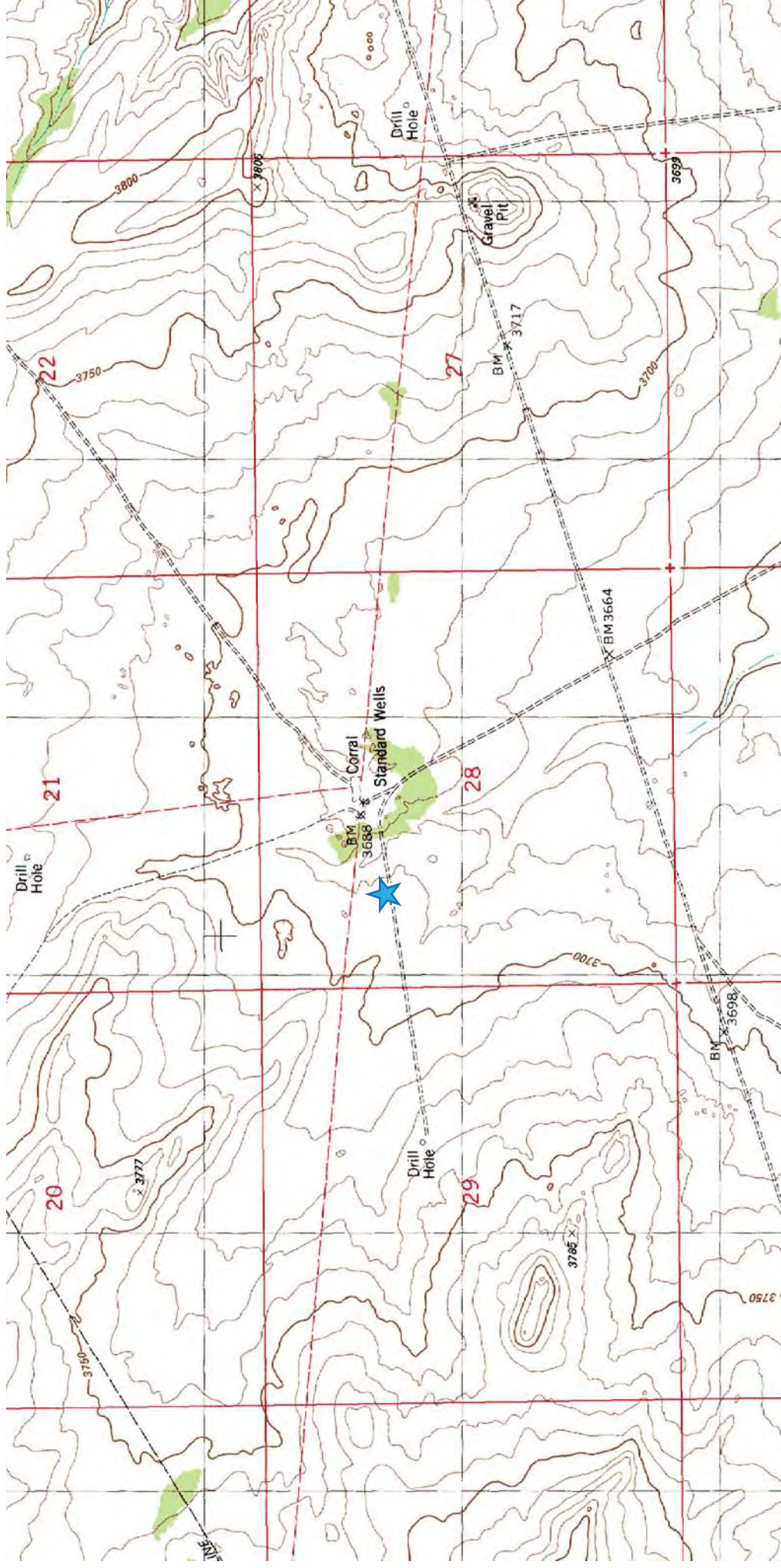
COG

Pygmy 27 State #002H



COG

Pygmy 27 State #002H



Laboratory Analytical Results Summary
Pygmy 27 State #002H

		Sample	SP1 @ 1'	SP1 @ 6'	SP1 @ 10'
Analyte	Method	Date	5/30/17	5/30/17	5/30/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a
Chloride	SM4500Cl-B		48	160	240
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	n/a	n/a

		Sample	SP2 @ 1'	SP2 @ 6'	SP2 @ 10'
Analyte	Method	Date	5/30/17	5/30/17	5/30/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a
Chloride	SM4500Cl-B		64	160	144
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	n/a	n/a

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 6'	SP3 @ 8'	SP3 @ 10'	SP3 @ 12'	SP3 @ 14'	SP3 @ 19'
Analyte	Method	Date	5/30/17	5/30/17	5/30/17	5/30/17	5/30/17	8/17/17	8/17/17	8/17/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		3960	5520	15800	4560	8660	6000	96	96
GRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a	n/a

		Sample	SP4 @ 1'	SP4 @ 3'	SP4 @ 6'	SP4 @ 8'	SP4 @ 10'	SP4 @ 12'	SP4 @ 14'	SP4 @ 19'	SP4 @ 20'
Analyte	Method	Date	5/30/17	5/30/17	5/30/17	5/30/17	5/31/17	8/17/17	8/17/17	8/17/17	8/17/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		4400	8400	6880	7360	8660	10400	1760	96	80
GRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a

		Sample	SP5 @ 1'	SP5 @ 3'	SP5 @ 6'	SP5 @ 8'	SP5 @ 10'	SP5 @ 15'	SP5 @ 18'
Analyte	Method	Date	5/31/17	5/31/17	5/31/17	5/31/17	5/31/17	5/31/17	5/31/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		3840	6400	5440	4960	128	96	112
GRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	14.3	n/a	n/a	n/a	n/a	n/a

		Sample	SP6 @ 1'	SP6 @ 3'	SP6 @ 6'	SP6 @ 8'	SP6 @ 10'	SP6 @ 11'	SP6 @ 16'	SP6 @ 18'
Analyte	Method	Date	5/31/17	5/31/17	5/31/17	5/31/17	5/31/17	5/31/17	5/31/17	5/31/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		7360	5600	7200	3200	496	112	80	64
GRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a	n/a

		Sample	SP7 @ 1'	SP7 @ 3'	SP7 @ 6'	SP7 @ 8'	SP7 @ 10'	SP7 @ 15'	SP7 @ 18'
Analyte	Method	Date	5/31/17	6/1/17	6/1/17	6/1/17	6/1/17	6/1/17	6/1/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		320	4800	12100	560	160	208	80
GRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a

		Sample	SP8 @ 1'	SP8 @ 3'	SP8 @ 6'	SP8 @ 8'	SP8 @ 9'	SP8 @ 14'	SP8 @ 18'
Analyte	Method	Date	6/1/17	6/1/17	6/1/17	6/1/17	6/1/17	6/1/17	6/1/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		416	13400	5200	640	<16.0	32	32
GRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a

Laboratory Analytical Results Summary
Pygmy 27 State #002H

		Sample	SP9 @ SURFACE
Analyte	Method	Date	6/1/17
			mg/Kg
Benzene	BTEX 8021B		n/a
Toluene	BTEX 8021B		n/a
Ethylbenzene	BTEX 8021B		n/a
Total Xylenes	BTEX 8021B		n/a
Total BTEX	BTEX 8021B		n/a
Chloride	SM4500Cl-B		32
GRO	TPH 8015M		n/a
DRO	TPH 8015M		n/a
EXT DRO	TPH 8015M		n/a

		Sample	SP10 @ SURFACE
Analyte	Method	Date	6/1/17
			mg/Kg
Benzene	BTEX 8021B		n/a
Toluene	BTEX 8021B		n/a
Ethylbenzene	BTEX 8021B		n/a
Total Xylenes	BTEX 8021B		n/a
Total BTEX	BTEX 8021B		n/a
Chloride	SM4500Cl-B		16
GRO	TPH 8015M		n/a
DRO	TPH 8015M		n/a
EXT DRO	TPH 8015M		n/a

		Sample	SP11 @ 1'	SP11 @ 3'	SP11 @ 6'	SP11 @ 8'	SP11 @ 9'	SP11 @ 10'	SP11 @ 15'	SP11 @ 17'	SP11 @ 18'	SP11 @ 19'	SP11 @ 22'
Analyte	Method	Date	6/1/17	6/1/17	6/1/17	6/8/17	6/8/17	6/8/17	6/8/17	6/8/17	8/17/17	8/17/17	8/17/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		688	9060	10700	7040	208	192	288	704	352	128	80
GRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

		Sample	SP12 @ 1'	SP12 @ 3'	SP12 @ 5'	SP12 @ 7'	SP12 @ 9'	SP12 @ 11'	SP12 @ 16'
Analyte	Method	Date	6/8/17	6/8/17	6/8/17	6/8/17	8/17/17	8/17/17	8/17/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		1420	7760	12700	8660	528	48	80
GRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a

		Sample	SP13 @ 1'	SP13 @ 3'	SP13 @ 5'	SP13 @ 7'	SP13 @ 9'	SP13 @ 10'	SP13 @ 15'
Analyte	Method	Date	6/8/17	6/8/17	6/8/17	6/8/17	8/17/17	8/17/17	8/17/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		2160	11800	12300	2560	2960	176	128
GRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	<10.0	n/a	n/a	n/a	n/a	n/a

		Sample	SP14 @ 1'	SP14 @ 6'	SP14 @ 7'	SP14 @ 9'	SP14 @ 10'	SP14 @ 15'
Analyte	Method	Date	6/8/17	6/8/17	6/8/17	8/18/17	8/18/17	8/18/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		160	128	592	528	48	64
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a	n/a

		Sample	SP15 @ 1'	SP15 @ 2'	SP15 @ 7'	SP15 @ 8'	SP15 @ 13'
Analyte	Method	Date	6/9/17	6/9/17	6/9/17	8/18/17	8/18/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		1440	112	544	112	128
GRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a

		Sample	SP16 @ 1'	SP16 @ 2'	SP16 @ 7'
Analyte	Method	Date	6/9/17	6/9/17	6/9/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a
Chloride	SM4500Cl-B		1380	16	144
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	n/a	n/a

Laboratory Analytical Results Summary
Pygmy 27 State #002H

		Sample	SP17 @ 1'	SP17 @ 2'	SP17 @ 7'
Analyte	Method	Date	6/9/17	6/9/17	6/9/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a
Chloride	SM4500Cl-B		2240	160	208
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	n/a	n/a

		Sample	SP18 @ 1'	SP18 @ 2'	SP18 @ 7'	SP18 @ 8'	SP18 @ 9'	SP18 @ 14'
Analyte	Method	Date	6/9/17	6/9/17	6/9/17	8/18/17	8/18/17	8/18/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		1420	144	512	240	144	128
GRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a

		Sample	SP19 @ 1'	SP19 @ 2'	SP19 @ 7'
Analyte	Method	Date	6/9/17	6/9/17	6/9/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a
Chloride	SM4500Cl-B		1760	160	144
GRO	TPH 8015M		<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	n/a	n/a

		Sample	SP20 @ 1'	SP20 @ 2'	SP20 @ 7'	SP20 @ 8'	SP20 @ 13'
Analyte	Method	Date	6/11/17	6/11/17	6/11/17	8/18/17	8/18/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		1380	80	432	192	176
GRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	n/a	n/a	n/a	n/a

		Sample	North Sample
Analyte	Method	Date	6/11/17
			mg/Kg
Benzene	BTEX 8021B		n/a
Toluene	BTEX 8021B		n/a
Ethylbenzene	BTEX 8021B		n/a
Total Xylenes	BTEX 8021B		n/a
Total BTEX	BTEX 8021B		n/a
Chloride	SM4500Cl-B		400
GRO	TPH 8015M		n/a
DRO	TPH 8015M		n/a
EXT DRO	TPH 8015M		n/a

		Sample	South Sample
Analyte	Method	Date	6/11/17
			mg/Kg
Benzene	BTEX 8021B		n/a
Toluene	BTEX 8021B		n/a
Ethylbenzene	BTEX 8021B		n/a
Total Xylenes	BTEX 8021B		n/a
Total BTEX	BTEX 8021B		n/a
Chloride	SM4500Cl-B		400
GRO	TPH 8015M		n/a
DRO	TPH 8015M		n/a
EXT DRO	TPH 8015M		n/a

		Sample	East Sample
Analyte	Method	Date	6/11/17
			mg/Kg
Benzene	BTEX 8021B		n/a
Toluene	BTEX 8021B		n/a
Ethylbenzene	BTEX 8021B		n/a
Total Xylenes	BTEX 8021B		n/a
Total BTEX	BTEX 8021B		n/a
Chloride	SM4500Cl-B		512
GRO	TPH 8015M		n/a
DRO	TPH 8015M		n/a
EXT DRO	TPH 8015M		n/a

		Sample	West Sample
Analyte	Method	Date	6/11/17
			mg/Kg
Benzene	BTEX 8021B		n/a
Toluene	BTEX 8021B		n/a
Ethylbenzene	BTEX 8021B		n/a
Total Xylenes	BTEX 8021B		n/a
Total BTEX	BTEX 8021B		n/a
Chloride	SM4500Cl-B		304
GRO	TPH 8015M		n/a
DRO	TPH 8015M		n/a
EXT DRO	TPH 8015M		n/a

Laboratory Analytical Results Summary
Pygmy 27 State #002H

		Sample ID	1-Sidewall
Analyte	Method	Date	1/5/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	2-Sidewall
Analyte	Method	Date	1/5/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	3-Sidewall
Analyte	Method	Date	1/5/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	4-Sidewall
Analyte	Method	Date	1/5/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	5-Sidewall
Analyte	Method	Date	1/5/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	6-Sidewall
Analyte	Method	Date	1/8/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	7-Sidewall
Analyte	Method	Date	1/8/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	8-Sidewall
Analyte	Method	Date	1/8/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	9-Sidewall
Analyte	Method	Date	1/8/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	10-Sidewall
Analyte	Method	Date	1/8/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	11-Sidewall
Analyte	Method	Date	1/8/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	12-Bottom
Analyte	Method	Date	1/3/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	13-Sidewall
Analyte	Method	Date	1/3/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	14-Bottom
Analyte	Method	Date	1/3/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	15-Sidewall
Analyte	Method	Date	1/3/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	16-Bottom
Analyte	Method	Date	1/3/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	17-Sidewall
Analyte	Method	Date	1/3/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	18-Bottom
Analyte	Method	Date	1/3/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

		Sample ID	19-Sidewall
Analyte	Method	Date	1/3/18
			mg/kg
Chloride	SM4500Cl-B		<16.0

June 13, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PYGMY 27 STATE #002H

Enclosed are the results of analyses for samples received by the laboratory on 06/07/17 9:30.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	05/30/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 1' (H701490-01)

BTX 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	06/09/2017	ND	1.97	98.7	2.00	0.663	
Toluene*	<0.050	0.050	06/09/2017	ND	1.97	98.5	2.00	0.305	
Ethylbenzene*	<0.050	0.050	06/09/2017	ND	2.12	106	2.00	0.756	
Total Xylenes*	<0.150	0.150	06/09/2017	ND	5.75	95.9	6.00	0.766	
Total BTX	<0.300	0.300	06/09/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	06/08/2017	ND	464	116	400	14.8	

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	06/09/2017	ND	218	109	200	5.54	
DRO >C10-C28	<10.0	10.0	06/09/2017	ND	237	119	200	6.66	
EXT DRO >C28-C36	<10.0	10.0	06/09/2017	ND					

Surrogate: 1-Chlorooctane 98.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 103 % 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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	05/30/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 1 @ 6' (H701490-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/08/2017	ND	464	116	400	14.8		

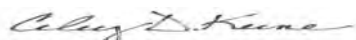
Sample ID: SP 1 @ 10' (H701490-03)

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	06/08/2017	ND	464	116	400	14.8	

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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	05/30/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 2 @ 1' (H701490-04)

BTX 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	06/09/2017	ND	1.97	98.7	2.00	0.663	
Toluene*	<0.050	0.050	06/09/2017	ND	1.97	98.5	2.00	0.305	
Ethylbenzene*	<0.050	0.050	06/09/2017	ND	2.12	106	2.00	0.756	
Total Xylenes*	<0.150	0.150	06/09/2017	ND	5.75	95.9	6.00	0.766	
Total BTX	<0.300	0.300	06/09/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	06/08/2017	ND	464	116	400	14.8		

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	06/09/2017	ND	218	109	200	5.54	
DRO >C10-C28	<10.0	10.0	06/09/2017	ND	237	119	200	6.66	
EXT DRO >C28-C36	<10.0	10.0	06/09/2017	ND					

Surrogate: 1-Chlorooctane 101 % 28.3-164

Surrogate: 1-Chlorooctadecane 103 % 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

Analytical Results For:

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

Received: 06/07/2017
Reported: 06/13/2017
Project Name: PYGMY 27 STATE #002H
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 05/30/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 6' (H701490-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/08/2017	ND	464	116	400	14.8		

Sample ID: SP 2 @ 10' (H701490-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/08/2017	ND	464	116	400	14.8	

Sample ID: SP 3 @ 1' (H701490-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3960	16.0	06/08/2017	ND	464	116	400	14.8	

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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	05/30/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 3' (H701490-08)

BTX 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	06/09/2017	ND	1.97	98.7	2.00	0.663	
Toluene*	<0.050	0.050	06/09/2017	ND	1.97	98.5	2.00	0.305	
Ethylbenzene*	<0.050	0.050	06/09/2017	ND	2.12	106	2.00	0.756	
Total Xylenes*	<0.150	0.150	06/09/2017	ND	5.75	95.9	6.00	0.766	
Total BTX	<0.300	0.300	06/09/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	5520	16.0	06/08/2017	ND	464	116	400	14.8	

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	06/09/2017	ND	218	109	200	5.54	
DRO >C10-C28	<10.0	10.0	06/09/2017	ND	237	119	200	6.66	
EXT DRO >C28-C36	<10.0	10.0	06/09/2017	ND					

Surrogate: 1-Chlorooctane 102 % 28.3-164

Surrogate: 1-Chlorooctadecane 103 % 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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	05/30/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 3 @ 6' (H701490-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15800	16.0	06/08/2017	ND	464	116	400	14.8		

Sample ID: SP 3 @ 8' (H701490-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4560	16.0	06/08/2017	ND	432	108	400	3.64	QM-07	

Sample ID: SP 3 @ 10' (H701490-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8660	16.0	06/08/2017	ND	432	108	400	3.64		

Sample ID: SP 4 @ 1' (H701490-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	06/08/2017	ND	432	108	400	3.64		

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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	05/30/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 4 @ 3' (H701490-13)

BTX 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	06/09/2017	ND	1.97	98.7	2.00	0.663		
Toluene*	<0.050	0.050	06/09/2017	ND	1.97	98.5	2.00	0.305		
Ethylbenzene*	<0.050	0.050	06/09/2017	ND	2.12	106	2.00	0.756		
Total Xylenes*	<0.150	0.150	06/09/2017	ND	5.75	95.9	6.00	0.766		
Total BTX	<0.300	0.300	06/09/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	06/09/2017	ND	432	108	400	3.64		

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	06/09/2017	ND	218	109	200	5.54	
DRO >C10-C28	<10.0	10.0	06/09/2017	ND	237	119	200	6.66	
EXT DRO >C28-C36	<10.0	10.0	06/09/2017	ND					

Surrogate: 1-Chlorooctane 99.8 % 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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	05/30/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 4 @ 6' (H701490-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6880	16.0	06/09/2017	ND	432	108	400	3.64		

Sample ID: SP 4 @ 8' (H701490-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7360	16.0	06/09/2017	ND	432	108	400	3.64		

Sample ID: SP 4 @ 10' (H701490-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8660	16.0	06/09/2017	ND	432	108	400	3.64		

Sample ID: SP 5 @ 1' (H701490-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	06/09/2017	ND	432	108	400	3.64		

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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	05/31/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 5 @ 3' (H701490-18)

BTX 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	06/09/2017	ND	1.97	98.7	2.00	0.663		
Toluene*	<0.050	0.050	06/09/2017	ND	1.97	98.5	2.00	0.305		
Ethylbenzene*	<0.050	0.050	06/09/2017	ND	2.12	106	2.00	0.756		
Total Xylenes*	<0.150	0.150	06/09/2017	ND	5.75	95.9	6.00	0.766		
Total BTX	<0.300	0.300	06/09/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	6400	16.0	06/09/2017	ND	432	108	400	3.64	

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	06/09/2017	ND	218	109	200	5.54	
DRO >C10-C28	<10.0	10.0	06/09/2017	ND	237	119	200	6.66	
EXT DRO >C28-C36	14.3	10.0	06/09/2017	ND					

Surrogate: 1-Chlorooctane 99.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 97.2 % 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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	05/31/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 5 @ 6' (H701490-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	06/09/2017	ND	432	108	400	3.64	

Sample ID: SP 5 @ 8' (H701490-20)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	06/09/2017	ND	432	108	400	3.64	

Sample ID: SP 5 @ 10' (H701490-21)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/09/2017	ND	432	108	400	3.64	

Sample ID: SP 5 @ 15' (H701490-22)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/09/2017	ND	432	108	400	3.64	

Sample ID: SP 5 @ 18' (H701490-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/09/2017	ND	432	108	400	3.64	

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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	05/31/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

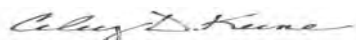
Sample ID: SP 6 @ 1' (H701490-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7360	16.0	06/09/2017	ND	432	108	400	3.64		

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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	05/31/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 6 @ 3' (H701490-25)

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	06/09/2017	ND	1.97	98.7	2.00	0.663		
Toluene*	<0.050	0.050	06/09/2017	ND	1.97	98.5	2.00	0.305		
Ethylbenzene*	<0.050	0.050	06/09/2017	ND	2.12	106	2.00	0.756		
Total Xylenes*	<0.150	0.150	06/09/2017	ND	5.75	95.9	6.00	0.766		
Total BTEX	<0.300	0.300	06/09/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	5600	16.0	06/09/2017	ND	432	108	400	3.64		

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	06/09/2017	ND	218	109	200	5.54	
DRO >C10-C28	<10.0	10.0	06/09/2017	ND	237	119	200	6.66	
EXT DRO >C28-C36	<10.0	10.0	06/09/2017	ND					

Surrogate: 1-Chlorooctane 94.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 98.5 % 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.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	05/31/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 6 @ 6' (H701490-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	06/09/2017	ND	432	108	400	3.64		

Sample ID: SP 6 @ 8' (H701490-27)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	06/09/2017	ND	432	108	400	3.64	

Sample ID: SP 6 @ 10' (H701490-28)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/09/2017	ND	432	108	400	3.64	

Sample ID: SP 6 @ 11' (H701490-29)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/09/2017	ND	432	108	400	3.64		

Sample ID: SP 6 @ 16' (H701490-30)

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	06/09/2017	ND	448	112	400	3.64	

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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	05/31/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 6 @ 18' (H701490-31)

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	06/09/2017	ND	448	112	400	3.64		

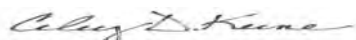
Sample ID: SP 7 @ 1' (H701490-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/09/2017	ND	448	112	400	3.64	

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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	06/01/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 7 @ 3' (H701490-33)

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	06/09/2017	ND	1.97	98.7	2.00	0.663		
Toluene*	<0.050	0.050	06/09/2017	ND	1.97	98.5	2.00	0.305		
Ethylbenzene*	<0.050	0.050	06/09/2017	ND	2.12	106	2.00	0.756		
Total Xylenes*	<0.150	0.150	06/09/2017	ND	5.75	95.9	6.00	0.766		
Total BTEX	<0.300	0.300	06/09/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	4800	16.0	06/09/2017	ND	448	112	400	3.64		

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	06/09/2017	ND	218	109	200	5.54	
DRO >C10-C28	<10.0	10.0	06/09/2017	ND	237	119	200	6.66	
EXT DRO >C28-C36	<10.0	10.0	06/09/2017	ND					

Surrogate: 1-Chlorooctane 97.7 % 28.3-164

Surrogate: 1-Chlorooctadecane 96.6 % 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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	06/01/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 7 @ 6' (H701490-34)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12100	16.0	06/09/2017	ND	448	112	400	3.64		

Sample ID: SP 7 @ 8' (H701490-35)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	06/09/2017	ND	448	112	400	3.64	

Sample ID: SP 7 @ 10' (H701490-36)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/09/2017	ND	448	112	400	3.64	

Sample ID: SP 7 @ 15' (H701490-37)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/09/2017	ND	448	112	400	3.64	

Sample ID: SP 7 @ 18' (H701490-38)

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	06/09/2017	ND	448	112	400	3.64		

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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	06/01/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

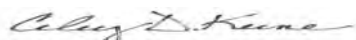
Sample ID: SP 8 @ 1' (H701490-39)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	06/09/2017	ND	448	112	400	3.64	

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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	06/01/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 8 @ 3' (H701490-40)

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	06/09/2017	ND	1.97	98.7	2.00	0.663	
Toluene*	<0.050	0.050	06/09/2017	ND	1.97	98.5	2.00	0.305	
Ethylbenzene*	<0.050	0.050	06/09/2017	ND	2.12	106	2.00	0.756	
Total Xylenes*	<0.150	0.150	06/09/2017	ND	5.75	95.9	6.00	0.766	
Total BTEX	<0.300	0.300	06/09/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	13400	16.0	06/09/2017	ND	448	112	400	3.64	

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	06/09/2017	ND	218	109	200	5.54	
DRO >C10-C28	<10.0	10.0	06/09/2017	ND	237	119	200	6.66	
EXT DRO >C28-C36	<10.0	10.0	06/09/2017	ND					

Surrogate: 1-Chlorooctane 103 % 28.3-164

Surrogate: 1-Chlorooctadecane 107 % 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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	06/01/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 8 @ 6' (H701490-41)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5200	16.0	06/09/2017	ND	448	112	400	3.64		

Sample ID: SP 8 @ 8' (H701490-42)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	06/09/2017	ND	448	112	400	3.64	

Sample ID: SP 8 @ 9' (H701490-43)

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	06/09/2017	ND	448	112	400	3.64		

Sample ID: SP 8 @ 14' (H701490-44)

Chloride, SM4500CI-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	06/09/2017	ND	448	112	400	3.64		

Sample ID: SP 8 @ 18' (H701490-45)

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	06/09/2017	ND	448	112	400	3.64	

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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	06/01/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: SP 9 @ SURFACE (H701490-46)

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	06/09/2017	ND	448	112	400	3.64		

Sample ID: SP 10 @ SURFACE (H701490-47)

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	06/09/2017	ND	448	112	400	3.64		

Sample ID: SP 11 @ 1' (H701490-48)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	06/09/2017	ND	448	112	400	3.64		

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

Analytical Results For:

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

Received: 06/07/2017
Reported: 06/13/2017
Project Name: PYGMY 27 STATE #002H
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 06/01/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 11 @ 3' (H701490-49)

BTX 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	06/09/2017	ND	1.97	98.7	2.00	0.663	
Toluene*	<0.050	0.050	06/09/2017	ND	1.97	98.5	2.00	0.305	
Ethylbenzene*	<0.050	0.050	06/09/2017	ND	2.12	106	2.00	0.756	
Total Xylenes*	<0.150	0.150	06/09/2017	ND	5.75	95.9	6.00	0.766	
Total BTX	<0.300	0.300	06/09/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9060	16.0	06/09/2017	ND	448	112	400	3.64		

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	06/09/2017	ND	218	109	200	5.54	
DRO >C10-C28	<10.0	10.0	06/09/2017	ND	237	119	200	6.66	
EXT DRO >C28-C36	<10.0	10.0	06/09/2017	ND					

Surrogate: 1-Chlorooctane 94.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 98.3 % 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

Analytical Results For:

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

Received:	06/07/2017	Sampling Date:	06/01/2017
Reported:	06/13/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

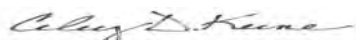
Sample ID: SP 11 @ 6' (H701490-50)

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10700	16.0	06/09/2017	ND	448	112	400	0.00	QM-07	

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


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

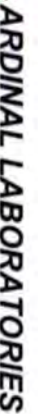
Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based 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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 26 of 29

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



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3045

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: PYGMY 27 STATE #002H

Project Location: LEA COUNTY, NM

Sampler Name: JEFF ORNELAS

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H7D147D

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :												
21	SP5 @ 10'	5	1	✓						5/31/17	1:03 PM	✓									
22	SP5 @ 15'	5	1	✓						5/31/17	1:19 PM	✓									
23	SP5 @ 18'	5	1	✓						5/31/17	1:33 PM	✓									
24	SP6 @ 1'	5	1	✓						5/31/17	1:41 PM	✓									
25	SP6 @ 3'	5	1	✓						5/31/17	2:02 PM	✓									
26	SP6 @ 6'	5	1	✓						5/31/17	2:32 PM	✓									
27	SP6 @ 8'	5	1	✓						5/31/17	3:03 PM	✓									
28	SP6 @ 10'	5	1	✓						5/31/17	3:11 PM	✓									
29	SP6 @ 11'	5	1	✓						5/31/17	3:13 PM	✓									
30	SP6 @ 16'	5	1	✓						5/31/17	3:25 PM	✓									

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 the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Received By:

Relinquished By:

Received By:

Relinquished By:

Received By:

Relinquished By:

Received By:

Relinquished By:

Received By:

Relinquished By:

Received By:

Relinquished By:

Received By:

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



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4085

Company Name: BBC International, Inc.

BILL TO

ANALYSIS REQUEST

Project Manager: Cliff Brunson

P.O. #:

Address: P.O. Box 805

Company: COB

City: Hobbs

State: NM Zip: 88241

Attn: Veronica Haskell

Phone #: 575-397-6388

Fax #: 575-397-0397

Address:

Project #:

Project Owner: COB

City:

Project Name: PYGMY 27 STATE #002H

State: Zip:

Project Location: LEA COUNTY, NM

Phone #:

Sampler Name: JEFF ORNELAS

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H7D1490

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

PLEASE NOTE: Liability and damages. Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors, arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 6/11/17

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Fax Result:

Yes

No

Add'l Fax #:

Relinquished By:

Date: 6/11/17

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Fax Result:

Yes

No

Add'l Fax #:

Relinquished By:

Date: 6/11/17

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Fax Result:

Yes

No

Add'l Fax #:

Relinquished By:

Date: 6/11/17

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Fax Result:

Yes

No

Add'l Fax #:

Relinquished By:

Date: 6/11/17

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Fax Result:

Yes

No

Add'l Fax #:

Relinquished By:

Date: 6/11/17

Received By:

Phone Result:

Yes

No

Add'l Phone #:

Fax Result:

Yes

No

Add'l Fax #:

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

ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 5

Company Name: BBC International, Inc.										BILL TO										ANALYSIS REQUEST																																																	
Project Manager: Cliff Brunson										P.O. #:																																																											
Address: P.O. Box 805										Company: COB																																																											
City: Hobbs										Attn: Veronica H. Smith																																																											
State: NM Zip: 88241																																																																					
Phone #: 575-397-6388 Fax #: 575-397-0397										Address:																																																											
Project #:										City:																																																											
Project Name: PYGMY 27 STATE #002H										State:										Zip:																																																	
Project Location: LEA COUNTY, NM										Phone #:																																																											
Sample Name: JEFF ORNELAS										Fax #:																																																											
FOR LAB USE ONLY										PRESERV										SAMPLING																																																	
Lab I.D.										Sample I.D.																																																											
HTD49D										(G)RAB OR (C)OMP.																																																											
										# CONTAINERS																																																											
										GROUNDWATER																																																											
										WASTEWATER																																																											
										SOIL																																																											
										OIL																																																											
										SLUDGE																																																											
										OTHER :																																																											
										ACID/BASE:																																																											
										ICE / COOL																																																											
										OTHER :																																																											
41										SP8 @ 6'										DATE										TIME										C1										BTEX										TPH									
42										SP8 @ 8'										6/1/17										12:11 PM																																							
43										SP8 @ 9'										6/1/17										1:05 PM																																							
44										SP8 @ 14'										6/1/17										1:11 PM																																							
45										SP8 @ 18'										6/1/17										1:22 PM																																							
46										SP9 @ SURFACE										6/1/17										1:33 PM																																							
47										SP10 @ SURFACE										6/1/17										1:48 PM																																							
48										SP11 @ 1'										6/1/17										1:55 PM																																							
49										SP11 @ 3'										6/1/17										2:10 PM																																							
50										SP11 @ 6'										6/1/17										2:22 PM																																							
51										SP11 @ 6'										6/1/17										3:01 PM																																							
PLEASE NOTE: Liability and Damages: Cardholder'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 the client for the service. In no event shall Cardholder 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 resulting out of or related to the performance of services hereunder by Cardholder regardless of whether such claim is based upon any of the above stated reasons or otherwise.																																																																					
Relinquished By: [Signature]										Date: 6/1/17										Time: 3:30 PM										Received By: [Signature]																																							
Relinquished By: [Signature]										Date: 6/1/17										Time: 9:30 AM										Received By: [Signature]																																							
Delivered By: (Circle One) [Signature]										Sample Condition										Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>										Checked By: [Signature]																																							
Sampler - UPS - Bus - Other: #75-10.10										Cool <input type="checkbox"/> Intact <input type="checkbox"/>										Yes <input type="checkbox"/> No <input type="checkbox"/>																																																	

June 19, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PYGMY 27 STATE #002H

Enclosed are the results of analyses for samples received by the laboratory on 06/13/17 11:55.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 06/13/2017
Reported: 06/19/2017
Project Name: PYGMY 27 STATE #002H
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 06/08/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 11 @ 8' (H701546-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7040	16.0	06/14/2017	ND	432	108	400	0.00	

Sample ID: SP 11 @ 9' (H701546-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/14/2017	ND	432	108	400	0.00	

Sample ID: SP 11 @ 10' (H701546-03)

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	06/14/2017	ND	432	108	400	0.00	

Sample ID: SP 11 @ 15' (H701546-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/14/2017	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

Analytical Results For:

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

Received: 06/13/2017
Reported: 06/19/2017
Project Name: PYGMY 27 STATE #002H
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 06/08/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 11 @ 17' (H701546-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	06/14/2017	ND	432	108	400	0.00		

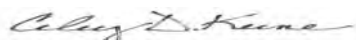
Sample ID: SP 12 @ 1' (H701546-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	06/14/2017	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

Analytical Results For:

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

Received:	06/13/2017	Sampling Date:	06/08/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP 12 @ 3' (H701546-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2017	ND	2.38	119	2.00	0.885	
Toluene*	<0.050	0.050	06/14/2017	ND	2.32	116	2.00	0.422	
Ethylbenzene*	<0.050	0.050	06/14/2017	ND	2.38	119	2.00	1.03	
Total Xylenes*	<0.150	0.150	06/14/2017	ND	6.39	107	6.00	1.37	
Total BTEx	<0.300	0.300	06/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	7760	16.0	06/14/2017	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	06/14/2017	ND	187	93.6	200	0.233	
DRO >C10-C28	<10.0	10.0	06/14/2017	ND	191	95.5	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	06/14/2017	ND					

Surrogate: 1-Chlorooctane 99.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 88.6 % 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

Analytical Results For:

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

Received: 06/13/2017
Reported: 06/19/2017
Project Name: PYGMY 27 STATE #002H
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 06/08/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 12 @ 5' (H701546-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12700	16.0	06/14/2017	ND	432	108	400	0.00		

Sample ID: SP 12 @ 7' (H701546-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8660	16.0	06/14/2017	ND	432	108	400	0.00		

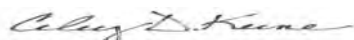
Sample ID: SP 13 @ 1' (H701546-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	06/14/2017	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

Analytical Results For:

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

Received:	06/13/2017	Sampling Date:	06/08/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP 13 @ 3' (H701546-11)

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	06/14/2017	ND	2.38	119	2.00	0.885	
Toluene*	<0.050	0.050	06/14/2017	ND	2.32	116	2.00	0.422	
Ethylbenzene*	<0.050	0.050	06/14/2017	ND	2.38	119	2.00	1.03	
Total Xylenes*	<0.150	0.150	06/14/2017	ND	6.39	107	6.00	1.37	
Total BTEx	<0.300	0.300	06/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11800	16.0	06/14/2017	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	06/14/2017	ND	187	93.6	200	0.233	
DRO >C10-C28	<10.0	10.0	06/14/2017	ND	191	95.5	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	06/14/2017	ND					

Surrogate: 1-Chlorooctane 101 % 28.3-164

Surrogate: 1-Chlorooctadecane 85.1 % 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

Analytical Results For:

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

Received:	06/13/2017	Sampling Date:	06/08/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP 13 @ 5' (H701546-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12300	16.0	06/14/2017	ND	432	108	400	0.00		

Sample ID: SP 13 @ 7' (H701546-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2560	16.0	06/14/2017	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

Analytical Results For:

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

Received:	06/13/2017	Sampling Date:	06/08/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP 14 @ 1' (H701546-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2017	ND	2.38	119	2.00	0.885	
Toluene*	<0.050	0.050	06/14/2017	ND	2.32	116	2.00	0.422	
Ethylbenzene*	<0.050	0.050	06/14/2017	ND	2.38	119	2.00	1.03	
Total Xylenes*	<0.150	0.150	06/14/2017	ND	6.39	107	6.00	1.37	
Total BTEx	<0.300	0.300	06/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	160	16.0	06/14/2017	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	06/14/2017	ND	187	93.6	200	0.233	
DRO >C10-C28	<10.0	10.0	06/14/2017	ND	191	95.5	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	06/14/2017	ND					

Surrogate: 1-Chlorooctane 100 % 28.3-164

Surrogate: 1-Chlorooctadecane 82.0 % 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

Analytical Results For:

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

Received: 06/13/2017
Reported: 06/19/2017
Project Name: PYGMY 27 STATE #002H
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 06/08/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 14 @ 6' (H701546-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/14/2017	ND	432	108	400	0.00		

Sample ID: SP 14 @ 7' (H701546-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	06/14/2017	ND	432	108	400	0.00	

Sample ID: SP 15 @ 1' (H701546-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	06/14/2017	ND	432	108	400	0.00		

Sample ID: SP 15 @ 2' (H701546-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/14/2017	ND	432	108	400	0.00	

Sample ID: SP 15 @ 7' (H701546-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	06/14/2017	ND	416	104	400	3.77	

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

Analytical Results For:

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

Received:	06/13/2017	Sampling Date:	06/09/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP 16 @ 1' (H701546-20)

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	06/14/2017	ND	2.38	119	2.00	0.885	
Toluene*	<0.050	0.050	06/14/2017	ND	2.32	116	2.00	0.422	
Ethylbenzene*	<0.050	0.050	06/14/2017	ND	2.38	119	2.00	1.03	
Total Xylenes*	<0.150	0.150	06/14/2017	ND	6.39	107	6.00	1.37	
Total BTEX	<0.300	0.300	06/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	1380	16.0	06/14/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/14/2017	ND	187	93.6	200	0.233	
DRO >C10-C28	<10.0	10.0	06/14/2017	ND	191	95.5	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	06/14/2017	ND					

Surrogate: 1-Chlorooctane 107 % 28.3-164

Surrogate: 1-Chlorooctadecane 89.4 % 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

Analytical Results For:

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

Received:	06/13/2017	Sampling Date:	06/09/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP 16 @ 2' (H701546-21)

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	06/14/2017	ND	416	104	400	3.77		

Sample ID: SP 16 @ 7' (H701546-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/14/2017	ND	416	104	400	3.77		

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

Analytical Results For:

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

Received:	06/13/2017	Sampling Date:	06/09/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP 17 @ 1' (H701546-23)

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	06/14/2017	ND	2.38	119	2.00	0.885	
Toluene*	<0.050	0.050	06/14/2017	ND	2.32	116	2.00	0.422	
Ethylbenzene*	<0.050	0.050	06/14/2017	ND	2.38	119	2.00	1.03	
Total Xylenes*	<0.150	0.150	06/14/2017	ND	6.39	107	6.00	1.37	
Total BTEx	<0.300	0.300	06/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	06/14/2017	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/14/2017	ND	187	93.6	200	0.233	
DRO >C10-C28	<10.0	10.0	06/14/2017	ND	191	95.5	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	06/14/2017	ND					

Surrogate: 1-Chlorooctane 97.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 82.0 % 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

Analytical Results For:

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

Received: 06/13/2017
Reported: 06/19/2017
Project Name: PYGMY 27 STATE #002H
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 06/09/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 17 @ 2' (H701546-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/14/2017	ND	416	104	400	3.77		

Sample ID: SP 17 @ 7' (H701546-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/14/2017	ND	416	104	400	3.77	

Sample ID: SP 18 @ 1' (H701546-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	06/14/2017	ND	416	104	400	3.77		

Sample ID: SP 18 @ 2' (H701546-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/14/2017	ND	416	104	400	3.77	


Sample ID: SP 18 @ 7' (H701546-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	06/14/2017	ND	416	104	400	3.77	

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

Analytical Results For:

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

Received:	06/13/2017	Sampling Date:	06/09/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP 19 @ 1' (H701546-29)

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	06/14/2017	ND	2.38	119	2.00	0.885	
Toluene*	<0.050	0.050	06/14/2017	ND	2.32	116	2.00	0.422	
Ethylbenzene*	<0.050	0.050	06/14/2017	ND	2.38	119	2.00	1.03	
Total Xylenes*	<0.150	0.150	06/14/2017	ND	6.39	107	6.00	1.37	
Total BTEx	<0.300	0.300	06/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	1760	16.0	06/14/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/14/2017	ND	187	93.6	200	0.233	
DRO >C10-C28	<10.0	10.0	06/14/2017	ND	191	95.5	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	06/14/2017	ND					

Surrogate: 1-Chlorooctane 102 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.4 % 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

Analytical Results For:

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

Received:	06/13/2017	Sampling Date:	06/09/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP 19 @ 2' (H701546-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/14/2017	ND	416	104	400	3.77		

Sample ID: SP 19 @ 7' (H701546-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/14/2017	ND	416	104	400	3.77		

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

Analytical Results For:

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

Received:	06/13/2017	Sampling Date:	06/11/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SP 20 @ 1' (H701546-32)

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	06/14/2017	ND	2.38	119	2.00	0.885	
Toluene*	<0.050	0.050	06/14/2017	ND	2.32	116	2.00	0.422	
Ethylbenzene*	<0.050	0.050	06/14/2017	ND	2.38	119	2.00	1.03	
Total Xylenes*	<0.150	0.150	06/14/2017	ND	6.39	107	6.00	1.37	
Total BTEx	<0.300	0.300	06/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	06/14/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/14/2017	ND	187	93.6	200	0.233	
DRO >C10-C28	<10.0	10.0	06/14/2017	ND	191	95.5	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	06/14/2017	ND					

Surrogate: 1-Chlorooctane 101 % 28.3-164

Surrogate: 1-Chlorooctadecane 83.3 % 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

Analytical Results For:

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

Received: 06/13/2017
Reported: 06/19/2017
Project Name: PYGMY 27 STATE #002H
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 06/11/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 20 @ 2' (H701546-33)

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	06/14/2017	ND	416	104	400	3.77		

Sample ID: SP 20 @ 7' (H701546-34)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	06/14/2017	ND	416	104	400	3.77	

Sample ID: NORTH (H701546-35)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/14/2017	ND	416	104	400	3.77	

Sample ID: SOUTH (H701546-36)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/14/2017	ND	416	104	400	3.77	

Sample ID: EAST (H701546-37)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	06/14/2017	ND	416	104	400	3.77	

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

Analytical Results For:

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

Received:	06/13/2017	Sampling Date:	06/11/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: WEST (H701546-38)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/14/2017	ND	416	104	400	3.77		

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

Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Maryland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 4

Company Name: BBC International, Inc.		P.O. #:		BILL TO		ANALYSIS REQUEST																															
Project Manager: Cliff Brunson		Company:																																			
Address: P.O. Box 805		Attn:																																			
City: Hobbs		Address:																																			
Phone #: 575-397-6388		City:																																			
Fax #: 575-397-0397		State:		Zip:																																	
Project #:		Project Owner: C.O.G																																			
Project Name:		ST # 0024																																			
Project Location:																																					
Sampler Name: Roger Hernandez		Fax #:																																			
FOR LAB USE ONLY		PRESERV		SAMPLING																																	
Lab I.D.		Sample I.D.																																			
H701546		SP16 @ 2'		G		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		TPH, EXTENDED		BTEX		CHLORIDE	
21		SP16 @ 2'		G				1																				6.9.17		11:25							
22		SP17 @ 2'		G				1																				6.9.17		11:30							
23		SP17 @ 2'		G				1																				6.9.17		1:00							
24		SP18 @ 2'		G				1																				6.9.17		1:15							
25		SP18 @ 2'		G				1																				6.9.17		1:22							
26		SP18 @ 2'		G				1																				6.9.17		1:54							
27		SP18 @ 2'		G				1																				6.9.17		9:04							
28		SP19 @ 1'		G				1																				6.9.17		12:35							
29		SP19 @ 1'		G				1																				6.9.17		12:44							
30		SP19 @ 1'		G				1																				6.9.17		12:44							
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 the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		Relinquished By: Roger Hernandez		Date: 4-13-17		Time: 11:55		Received By: Juanita L. Delgado		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		CHECKED BY: (Initials)		REMARKS: Head space on some 70.																							
Delivered By: (Circle One)		Sampler - UPS - Bus - Other:		1.9c		70.75																															

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

August 28, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PYGMY 27 STATE #2H

Enclosed are the results of analyses for samples received by the laboratory on 08/21/17 14:43.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/21/2017
Reported: 08/28/2017
Project Name: PYGMY 27 STATE #2H
Project Number: NOT GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/17/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 12' (H702223-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	08/24/2017	ND	416	104	400	0.00	

Sample ID: SP 3 @ 14' (H702223-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/24/2017	ND	416	104	400	0.00	

Sample ID: SP 3 @ 19' (H702223-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/24/2017	ND	416	104	400	0.00	

Sample ID: SP 4 @ 12' (H702223-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	08/24/2017	ND	416	104	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

Analytical Results For:

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

Received: 08/21/2017
Reported: 08/28/2017
Project Name: PYGMY 27 STATE #2H
Project Number: NOT GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/17/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 14' (H702223-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	08/24/2017	ND	416	104	400	0.00	

Sample ID: SP 4 @ 19' (H702223-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/24/2017	ND	416	104	400	0.00	

Sample ID: SP 4 @ 20' (H702223-07)

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	08/24/2017	ND	416	104	400	0.00	

Sample ID: SP 11 @ 18' (H702223-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	08/24/2017	ND	416	104	400	0.00	

Sample ID: SP 11 @ 19' (H702223-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/24/2017	ND	416	104	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

Analytical Results For:

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

Received: 08/21/2017
Reported: 08/28/2017
Project Name: PYGMY 27 STATE #2H
Project Number: NOT GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/17/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP 11 @ 22' (H702223-10)

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	08/24/2017	ND	416	104	400	0.00		

Sample ID: SP 12 @ 9' (H702223-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	08/24/2017	ND	416	104	400	0.00		

Sample ID: SP 12 @ 11' (H702223-12)

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	08/24/2017	ND	416	104	400	0.00		

Sample ID: SP 12 @ 16' (H702223-13)

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	08/24/2017	ND	416	104	400	0.00	

Sample ID: SP 13 @ 9' (H702223-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	08/24/2017	ND	416	104	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

Analytical Results For:

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

Received: 08/21/2017
Reported: 08/28/2017
Project Name: PYGMY 27 STATE #2H
Project Number: NOT GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/17/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP 13 @ 10' (H702223-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/24/2017	ND	416	104	400	0.00		

Sample ID: SP 13 @ 15' (H702223-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/24/2017	ND	416	104	400	0.00	

Sample ID: SP 14 @ 9' (H702223-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	08/24/2017	ND	416	104	400	0.00		

Sample ID: SP 14 @ 10' (H702223-18)

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	08/24/2017	ND	416	104	400	0.00	

Sample ID: SP 14 @ 15' (H702223-19)

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	08/24/2017	ND	416	104	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

Analytical Results For:

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

Received: 08/21/2017
Reported: 08/28/2017
Project Name: PYGMY 27 STATE #2H
Project Number: NOT GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/18/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP 15 @ 8' (H702223-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/24/2017	ND	448	112	400	7.41		

Sample ID: SP 15 @ 13' (H702223-21)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/24/2017	ND	448	112	400	7.41	

Sample ID: SP 18 @ 8' (H702223-22)

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	08/24/2017	ND	448	112	400	7.41		

Sample ID: SP 18 @ 9' (H702223-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/24/2017	ND	448	112	400	7.41	


Sample ID: SP 18 @ 14' (H702223-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/24/2017	ND	448	112	400	7.41	

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

Analytical Results For:

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

Received: 08/21/2017
Reported: 08/28/2017
Project Name: PYGMY 27 STATE #2H
Project Number: NOT GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/18/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: SP 20 @ 8' (H702223-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/24/2017	ND	448	112	400	7.41		

Sample ID: SP 20 @ 13' (H702223-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/24/2017	ND	448	112	400	7.41	

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		BILL TO																																							
Project Manager: Cliff Brunson		Company: COG		ANALYSIS REQUEST																																							
Address: P.O. Box 805		Attn: Haspell																																									
City: Hobbs		Address:																																									
State: NM zip: 88241		City:																																									
Phone #: 575-397-6388		State:																																									
Fax #: 575-397-0397		Zip:																																									
Project #:		Project Owner: COG																																									
Project Name: Pygmy 27 State F 2H		Phone #:																																									
Project Location: Lea County		Fax #:																																									
Sampler Name: Jeff Grubbs		PRESERV		SAMPLING																																							
FOR LAB USE ONLY																																											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME															
H102203		SP30 12		G		1		V		V		V		V		V		V		V		V		V		8-17-17		9:22am		V													
1		SP30 14		G		1		V		V		V		V		V		V		V		V		V		9:40am		V															
2		SP30 14		G		1		V		V		V		V		V		V		V		V		V		9:45am		V															
3		SP30 14		G		1		V		V		V		V		V		V		V		V		V		10:22am		V															
4		SP40 12		G		1		V		V		V		V		V		V		V		V		V		10:40am		V															
5		SP40 14		G		1		V		V		V		V		V		V		V		V		V		10:55am		V															
6		SP40 14		G		1		V		V		V		V		V		V		V		V		V		11:15am		V															
7		SP40 20		G		1		V		V		V		V		V		V		V		V		V		11:30am		V															
8		SP11 18		G		1		V		V		V		V		V		V		V		V		V		11:50am		V															
9		SP11 14		G		1		V		V		V		V		V		V		V		V		V		11:50am		V															
10		SP11 22		G		1		V		V		V		V		V		V		V		V		V		11:50am		V															
Relinquished By: [Signature]		Date: 8/18/17		Received By: [Signature]		Date: 8/18/17		Time: 3pm		Received By: [Signature]		Date: 8-21-17		Time: 4:30		Sample Condition: [Signature]		Cool Intact: [Signature]		CHECKED BY: [Signature]		(Initials)		12:475		Phone Result: [Signature]		Fax Result: [Signature]		REMARKS:													
Relinquished By: [Signature]		Date: 8/18/17		Received By: [Signature]		Date: 8-21-17		Time: 4:30		Sample Condition: [Signature]		Cool Intact: [Signature]		CHECKED BY: [Signature]		(Initials)		12:475		Phone Result: [Signature]		Fax Result: [Signature]		REMARKS:																			
Delivered By: (Circle One)		12:38		12:38		12:38		12:38		12:38		12:38		12:38		12:38		12:38		12:38		12:38		12:38		12:38		12:38		12:38													
Sampler - UPS - Bus - Other:		Cardinal 12:38		Cardinal 12:38		Cardinal 12:38		Cardinal 12:38		Cardinal 12:38		Cardinal 12:38		Cardinal 12:38		Cardinal 12:38		Cardinal 12:38		Cardinal 12:38		Cardinal 12:38		Cardinal 12:38		Cardinal 12:38		Cardinal 12:38		Cardinal 12:38													

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: Pygmy 27 State # 214

Project Location: Lea County

Sample Name: Jeff Ornelas

P.O. #:

Company: COG

Attn: Haswell

Address:

City:

State:

Phone #:

Fax #:

State: NM **Zip:** 88241

Fax #: 575-397-0397

Project Owner: COG

Project Name: Pygmy 27 State # 214

Project Location: Lea County

Sample Name: Jeff Ornelas

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H702223	SP12 @ 9	G	1									
	SP12 @ 11	G	1									
	SP13 @ 10	G	1									
	SP13 @ 15	G	1									
	SP14 @ 9	G	1									
	SP14 @ 10	G	1									
	SP14 @ 15	G	1									
	SP15 @ 8	G	1									

DATE **TIME**

8-17-17 12:51pm

8-17-17 1:20pm

8-17-17 1:45pm

8-17-17 2:22pm

8-17-17 2:30pm

8-17-17 2:55pm

8-17-17 3:15pm

8-17-17 3:22pm

8-17-17 3:45pm

8-17-17 8:59am

Relinquished By: Jeff Ornelas

Date: 8/18/17

Received By: Jeff Ornelas

Relinquished By: Jeff Ornelas

Date: 8-21-17

Received By: Jeff Ornelas

Delivered By: Jeff Ornelas

Date: 12-30-17

Received By: Jeff Ornelas

REMARKS:

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 the client for the service. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated provisions or otherwise.

2075



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3043

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																																					
Project Manager: Cliff Brunson		P.O. #:																																							
Address: P.O. Box 805		Company: <i>OG</i>																																							
City: Hobbs		Attn: <i>H. Spill</i>																																							
State: NM zip: 88241		Address:																																							
Phone #: 575-397-6388		City:																																							
Fax #: 575-397-0397		State:																																							
Project #: <i>COG</i>		Zip:																																							
Project Name: <i>Pygmy 27 State Path</i>		Phone #:																																							
Project Location: <i>Lea County</i>		Fax #:																																							
Sample Name: <i>Jeff Ornelas</i>		PRESERV		SAMPLING																																					
FOR LAB USE ONLY																																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME													
<i>H102223</i>		<i>SP15013</i>		<i>G</i>		<i>1</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>8/18/17</i>		<i>9:40am</i>		<i>✓</i>											
<i>21</i>		<i>SP18013</i>		<i>G</i>		<i>1</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>10:30am</i>		<i>✓</i>													
<i>22</i>		<i>SP18013</i>		<i>G</i>		<i>1</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>10:55am</i>		<i>✓</i>													
<i>23</i>		<i>SP18013</i>		<i>G</i>		<i>1</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>11:30am</i>		<i>✓</i>													
<i>24</i>		<i>SP18013</i>		<i>G</i>		<i>1</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>11:30am</i>		<i>✓</i>													
<i>25</i>		<i>SP20013</i>		<i>G</i>		<i>1</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>11:10am</i>		<i>✓</i>													
<i>26</i>		<i>SP20013</i>		<i>G</i>		<i>1</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>11:55pm</i>		<i>✓</i>													
<i>8/21/17</i>		<i>comer</i>																																							
Relinquished By: <i>Jeff Ornelas</i>		Date: <i>8/18/17</i>		Time: <i>3pm</i>		Received By: <i>Jeff Ornelas</i>		Date: <i>8/21/17</i>		Time: <i>2:43</i>		Sample Condition: <i>Intact</i>		Cool: <i>Yes</i>		Intact: <i>Yes</i>		Checked By: <i>TS. Hys</i>																							
Relinquished By: <i>Jeff Ornelas</i>		Date: <i>8-21-17</i>		Time: <i>2:43</i>		Received By: <i>Jeff Ornelas</i>		Date: <i>8-21-17</i>		Time: <i>2:43</i>		Sample Condition: <i>Intact</i>		Cool: <i>Yes</i>		Intact: <i>Yes</i>		Checked By: <i>TS. Hys</i>																							
Delivered By: (Circle One) <i>12.32</i>		Time: <i>12.32</i>		Received By: <i>Jeff Ornelas</i>		Date: <i>8-21-17</i>		Time: <i>2:43</i>		Sample Condition: <i>Intact</i>		Cool: <i>Yes</i>		Intact: <i>Yes</i>		Checked By: <i>TS. Hys</i>																									
Sampler - UPS - Bus - Other: <i>12.32</i>		Time: <i>12.32</i>		Received By: <i>Jeff Ornelas</i>		Date: <i>8-21-17</i>		Time: <i>2:43</i>		Sample Condition: <i>Intact</i>		Cool: <i>Yes</i>		Intact: <i>Yes</i>		Checked By: <i>TS. Hys</i>																									

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

January 18, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PYGMY 27 STATE #002H

Enclosed are the results of analyses for samples received by the laboratory on 01/15/18 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/15/2018	Sampling Date:	01/05/2018
Reported:	01/18/2018	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	(5/6/17)	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: 1 - SIDEWALL (H800152-01)

Chloride, SM4500CI-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	01/17/2018	ND	416	104	400	10.9	

Sample ID: 2 - SIDEWALL (H800152-02)

Chloride, SM4500CI-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	01/17/2018	ND	416	104	400	10.9	

Sample ID: 3 - SIDEWALL (H800152-03)

Chloride, SM4500CI-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	01/17/2018	ND	416	104	400	10.9	


Sample ID: 4 - SIDEWALL (H800152-04)

Chloride, SM4500CI-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	01/17/2018	ND	416	104	400	10.9	

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

Analytical Results For:

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

Received: 01/15/2018
Reported: 01/18/2018
Project Name: PYGMY 27 STATE #002H
Project Number: (5/6/17)
Project Location: LEA COUNTY, NM

Sampling Date: 01/05/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: 5 - SIDEWALL (H800152-05)

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	01/17/2018	ND	416	104	400	10.9		

Sample ID: 6 - SIDEWALL (H800152-06)

Chloride, SM4500CI-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	01/17/2018	ND	416	104	400	10.9		

Sample ID: 7 - SIDEWALL (H800152-07)

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	01/17/2018	ND	416	104	400	10.9		

Sample ID: 8 - SIDEWALL (H800152-08)

Chloride, SM4500CI-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	01/17/2018	ND	416	104	400	10.9		

Sample ID: 9 - SIDEWALL (H800152-09)

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	01/17/2018	ND	416	104	400	10.9		

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

Analytical Results For:

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

Received:	01/15/2018	Sampling Date:	01/08/2018
Reported:	01/18/2018	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	(5/6/17)	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: 10 - SIDEWALL (H800152-10)

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	01/17/2018	ND	416	104	400	10.9		

Sample ID: 11 - SIDEWALL (H800152-11)

Chloride, SM4500CI-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	01/17/2018	ND	416	104	400	10.9		

Sample ID: 12 - BOTTOM (H800152-12)

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	01/17/2018	ND	416	104	400	10.9		

Sample ID: 13 - SIDEWALL (H800152-13)

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	01/17/2018	ND	416	104	400	10.9		

Sample ID: 14 - BOTTOM (H800152-14)

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	01/17/2018	ND	416	104	400	3.92		

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

Analytical Results For:

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

Received:	01/15/2018	Sampling Date:	01/03/2018
Reported:	01/18/2018	Sampling Type:	Soil
Project Name:	PYGMY 27 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	(5/6/17)	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: 15 - SIDEWALL (H800152-15)

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	01/17/2018	ND	416	104	400	3.92		

Sample ID: 16 - BOTTOM (H800152-16)

Chloride, SM4500CI-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	01/17/2018	ND	416	104	400	3.92		

Sample ID: 17 - SIDEWALL (H800152-17)

Chloride, SM4500CI-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	01/17/2018	ND	416	104	400	3.92		

Sample ID: 18 - BOTTOM (H800152-18)

Chloride, SM4500CI-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	01/17/2018	ND	416	104	400	3.92		

Sample ID: 19 - SIDEWALL (H800152-19)

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	01/17/2018	ND	416	104	400	3.92		

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 1



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

28.

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

From: Yu, Olivia, EMNRD
To: [Cliff Brunson](#); [Amber Groves](#)
Cc: [Becky Haskell](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: RE: COG Pygmy 27 State #002H (1RP-4694) - Delineation Workplan
Date: Thursday, September 28, 2017 12:01:13 PM

Dear Mr. Brunson:

Please note that the eastern of the release is within 1000 ft. radius of a NMOSE well (CP00601 POD 1).

NMOCD will consider vertical delineation completed for 1RP-4694.

Please address these concerns regarding the proposed remedial activities.

1. Based on the data provided, the area represented by SP1, SP2, and SP14 does not require remediation. However, confirmation surface (0-6") samples of the edges are required to complete horizontal delineation.
2. Permissible chloride levels of 600 mg/kg are exceeded at 2 ft. bgs at the area represented by SP3-SP8 and SP11-SP13. NMOCD requires a 4 ft. excavation and a properly set liner.
3. NMOCD accepts that the area represented by SP9 and SP10 does not require remediation. However, confirmation surface samples of the edges of this area and sidewall samples at the border demarcating the SP9/10 area (pink) and SP8/SP11 (green) are required.
4. The proposed 1 ft. bgs excavation for the area represented by SP15-SP20 is granted.
5. Bottom and sidewall/edge samples for each of the proposed excavation areas are required. Distance between sample locations should be no greater than 50 ft. apart. At least one sample must be from the borders between the areas with differing excavation depths.
6. Provide a scaled map with the confirmation bottom and sidewall sample locations marked, liner location outlined, and depth of excavated areas annotated in the remediation report.

Please confirm or inform if clarification is required. NMSLO may have additional stipulations and concerns.

Thanks,

Olivia Yu
Environmental Specialist
NMOCD, District I
Olivia.yu@state.nm.us
575-393-6161 x113

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Thursday, September 14, 2017 6:54 PM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Amber Groves <agroves@slo.state.nm.us>
Cc: Becky Haskell <rhaskell@concho.com>; Ken Swinney <kswinney@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>
Subject: COG Pygmy 27 State #002H (1RP-4694) - Delineation Workplan

Olivia and Amber,

Please find the attached Delineation Workplan and remediation proposal for the COG Pygmy 27 State #002H (1RP-4694). COG is requesting that you review this plan and is looking forward to both the OCD's and SLO's approval.

If you have any questions, please let me know.

Thanks, Cliff

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



Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.

From: Rebecca Haskell
To: [Groves, Amber](#); [Yu, Olivia, EMNRD](#); [Cliff Brunson](#)
Cc: [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: RE: COG Pygmy 27 State #002H (1RP-4694) - Delineation Workplan
Date: Sunday, October 15, 2017 11:36:37 AM
Attachments: [image005.png](#)
[image001.png](#)

Ms. Groves / Ms. Yu,

BBC is making some edits to this work plan after meeting with the landowner of the western area of the spill and will be resubmitting it to you for an additional review. BBC will include a revegetation plan within the newly revised work plan.

Thank You,

Becky Haskell
Senior HSE Coordinator
COG Operating LLC
600 W Illinois Avenue | Midland, TX 79701
Direct: 432-818-2372 | Main: 432.683.7443
Cell: 432-556-5130
rhaskell@concho.com



CONFIDENTIALITY NOTICE: The information in this email may be confidential and/or privileged. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, or the information herein, is prohibited. If you received this email in error, please immediately notify the sender by return email and delete this email from your system. Thank you.

From: Groves, Amber [<mailto:agroves@slo.state.nm.us>]
Sent: Thursday, October 12, 2017 3:19 PM
To: Yu, Olivia, EMNRD; Cliff Brunson
Cc: Rebecca Haskell; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: [External] RE: COG Pygmy 27 State #002H (1RP-4694) - Delineation Workplan

**** External email. Use caution. ****

Cliff,

NMSLO concurs with NMOCD on the below stipulations, however denies the current submittal due to lack of revegetation plan. Please revise to include revegetation procedures.

Thank you,

Amber Groves
Remediation Specialist

Field Operations Division
(575)392-3697
(575)263-3209 cell
New Mexico State Land Office
2827 N. Dal Paso Suite 117
Hobbs, NM 88240

.....
CONFIDENTIALITY NOTICE - This e-mail transmission, including all documents, files, or previous e-mail messages attached hereto, may contain confidential and/or legally privileged information. If you are not the intended recipient, or a person responsible for delivering it to the intended recipient, you are hereby notified that you must not read this transmission and that any disclosure, copying, printing, distribution, or use of any of the information contained in and/or attached to this transmission is STRICTLY PROHIBITED. If you have received this transmission in error, please immediately notify the sender and delete the original transmission and its attachments without reading or saving in any manner. Thank you.

From: Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]
Sent: Thursday, September 28, 2017 12:01 PM
To: Cliff Brunson <cbrunson@bbcinternational.com>; Groves, Amber <agroves@slo.state.nm.us>
Cc: Becky Haskell <rhaskell@concho.com>; Ken Swinney <kswinney@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>
Subject: RE: COG Pygmy 27 State #002H (1RP-4694) - Delineation Workplan

Dear Mr. Brunson:

Please note that the eastern of the release is within 1000 ft. radius of a NMOSE well (CP00601 POD 1).

NMOCD will consider vertical delineation completed for 1RP-4694.

Please address these concerns regarding the proposed remedial activities.

1. Based on the data provided, the area represented by SP1, SP2, and SP14 does not require remediation. However, confirmation surface (0-6") samples of the edges are required to complete horizontal delineation.
2. Permissible chloride levels of 600 mg/kg are exceeded at 2 ft. bgs at the area represented by SP3-SP8 and SP11-SP13. NMOCD requires a 4 ft. excavation and a properly set liner.
3. NMOCD accepts that the area represented by SP9 and SP10 does not require remediation. However, confirmation surface samples of the edges of this area and sidewall samples at the border demarcating the SP9/10 area (pink) and SP8/SP11 (green) are required.
4. The proposed 1 ft. bgs excavation for the area represented by SP15-SP20 is granted.
5. Bottom and sidewall/edge samples for each of the proposed excavation areas are required. Distance between sample locations should be no greater than 50 ft. apart. At least one sample must be from the borders between the areas with differing excavation depths.
6. Provide a scaled map with the confirmation bottom and sidewall sample locations marked,

liner location outlined, and depth of excavated areas annotated in the remediation report.

Please confirm or inform if clarification is required. NMSLO may have additional stipulations and concerns.

Thanks,

Olivia Yu
Environmental Specialist
NMOCD, District I
Olivia.yu@state.nm.us
575-393-6161 x113

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Cliff Brunson [<mailto:cbrunson@bbcinternational.com>]

Sent: Thursday, September 14, 2017 6:54 PM

To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Amber Groves <agroves@slo.state.nm.us>

Cc: Becky Haskell <rhaskell@concho.com>; Ken Swinney <kswinney@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>

Subject: COG Pygmy 27 State #002H (1RP-4694) - Delineation Workplan

Olivia and Amber,

Please find the attached Delineation Workplan and remediation proposal for the COG Pygmy 27 State #002H (1RP-4694). COG is requesting that you review this plan and is looking forward to both the OCD's and SLO's approval.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.

Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com



Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit <http://www.symanteccloud.com>

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit <http://www.symanteccloud.com>

NOTICE: The information in this email may be confidential and/or privileged. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, or the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by return email and delete this email from your system. Further, any contract terms proposed or purportedly accepted in this email are not binding and are subject to management's final approval as memorialized in a separate written instrument, excluding electronic correspondence, executed by an authorized representative of COG Operating LLC or its affiliates.

























