

RECEIVED
MAR 24 2014

Closure Report

RECEIVED
MAR 24 2014
NMOCD ARTESIA

Site Description	
Site Name:	Nagooltee Peak 5 Fed Com #2
Company:	Oxy Permian Ltd.
Legal Description:	U/L E, Section 5, T22S, R24E
County:	Eddy County, NM
GPS Coordinates:	N 32.42378° W 104.52532°

Release Data	
Date of Release:	07/11/2013
Type of Release:	Produced water
Source of Release:	Hole in steel flow line
Volume of Release:	60 bbls
Volume Recovered:	0 bbls

Remediation Specifications	
Remediation Parameters:	Excavate to a depth of 1 foot across the areas around SP1 and SP2. Do not disturb the remaining areas due to steep terrain unless otherwise notified. Then, backfill the excavated areas with clean soil.
Remediation Activities:	02/19/2014 to 02/28/2014

Plan Sent to OCD:	01/01/2014	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	01/09/2014	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	01/28/2014	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	01/30/2014	Email from J. Van Curen to Cliff Brunson

Supporting Documentation	
Initial C-141	Signed 07/29/2013
Final C-141	Signed 03/20/2014
Site Diagram	July 2013
Groundwater Plot	<50'
TOPO Maps	July 2013
Lab Summary	07/12/2013 and 07/15/2013 to 07/16/2013
Lab Analysis	07/12/2013 and 07/15/2013 to 07/16/2013
Correspondence	Request and approval of remediation plan via email

Request for Closure	
Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.	
Cliff Brunson, President of BBC International Inc.	03/20/2014

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Nagooltee Peak 5 Federal #2	Facility Type	
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-28074

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	5	22S	24E	1562	North	1202	West	Eddy County, NM

Latitude N 32.42378° Longitude W 104.52532°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	60 bbls	Volume Recovered	0 bbls
Source of Release	Hole in steel flow line	Date and Hour of Occurrence	07/11/2013	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher and Jean Marie Warren- OCD, James Amos- BLM		
By Whom?	Christopher Jones	Date and Hour	07/12/2013 @ 10:54 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A hole in a steel flow line caused 60 bbls of produced water to leak onto the ground. No fluids were recovered. The line was repaired.

Describe Area Affected and Cleanup Action Taken.*
The affected area is approximately 200' x 60'. Remediation will be completed in accordance with a plan approved by NMOCD and the BLM.

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:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Christopher Jones	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher.Jones@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 7-29-13	Phone: (575) 628-4121		

* Attach Additional Sheets If Necessary

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OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Nagooltee Peak 5 Federal #2	Facility Type	
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-28074

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	5	22S	24E	1562	North	1202	West	Eddy County, NM

Latitude **N 32.42378°** Longitude **W 104.52532°**

NATURE OF RELEASE

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Source of Release	Hole in steel flow line	Date and Hour of Occurrence	07/11/2013	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher and Jean Marie Warren- OCD, James Amos- BLM		
By Whom?	Christopher Jones	Date and Hour	07/12/2013 @ 10:54 am		
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A hole in a steel flow line caused 60 bbls of produced water to leak onto the ground. No fluids were recovered. The line was repaired.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 200' x 60'. Remediation was completed in accordance with a plan approved by Mike Bratcher of NMOCD via email on 01/09/2014 and approved by Jennifer Van Curen of the BLM via email on 01/30/2014.

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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Christopher Jones	Approved by District Supervisor:		
Title: HES Specialist	Approval Date:	Expiration Date:	
E-mail Address: Christopher_Jones@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 3/20/14	Phone: (575) 628-4121		

* Attach Additional Sheets If Necessary

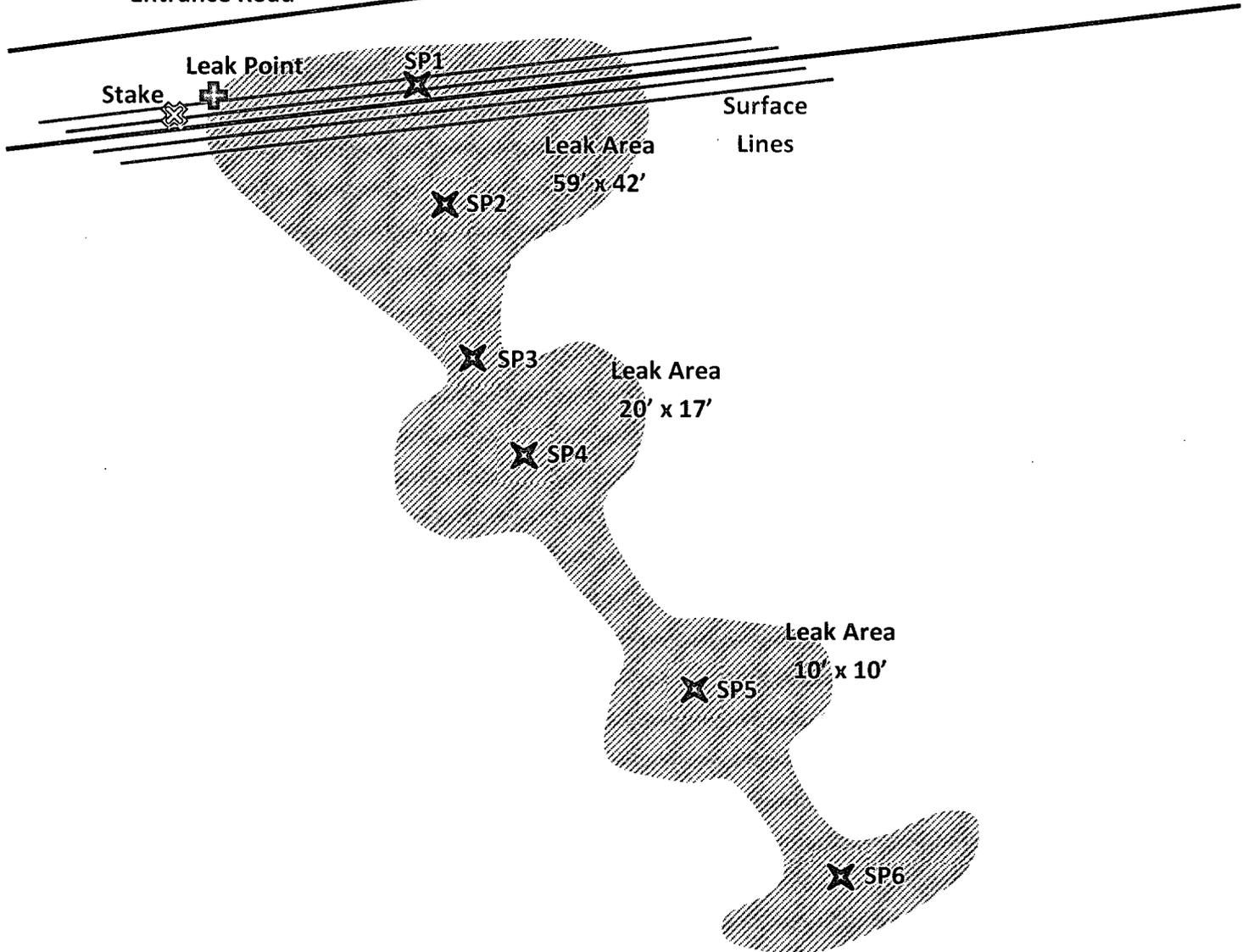


Oxy

Nagooltee Peak 5 Federal #2

Location Pad

Entrance Road



U/L E, Section 5, T22S, R24E

1562' FNL and 1202' FWL

Eddy County, NM

GPS at Stake: N 32.42378° W 104.52532°

API#30-015-28074, NM Lease # 81217

BBC International, Inc.

Oxy

Nagooltee Peak 5 Federal #2

Date: 07/17/2013

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013



Groundwater Plot

Oxy Nagooltee Peak 5 Federal #2

County
Eddy

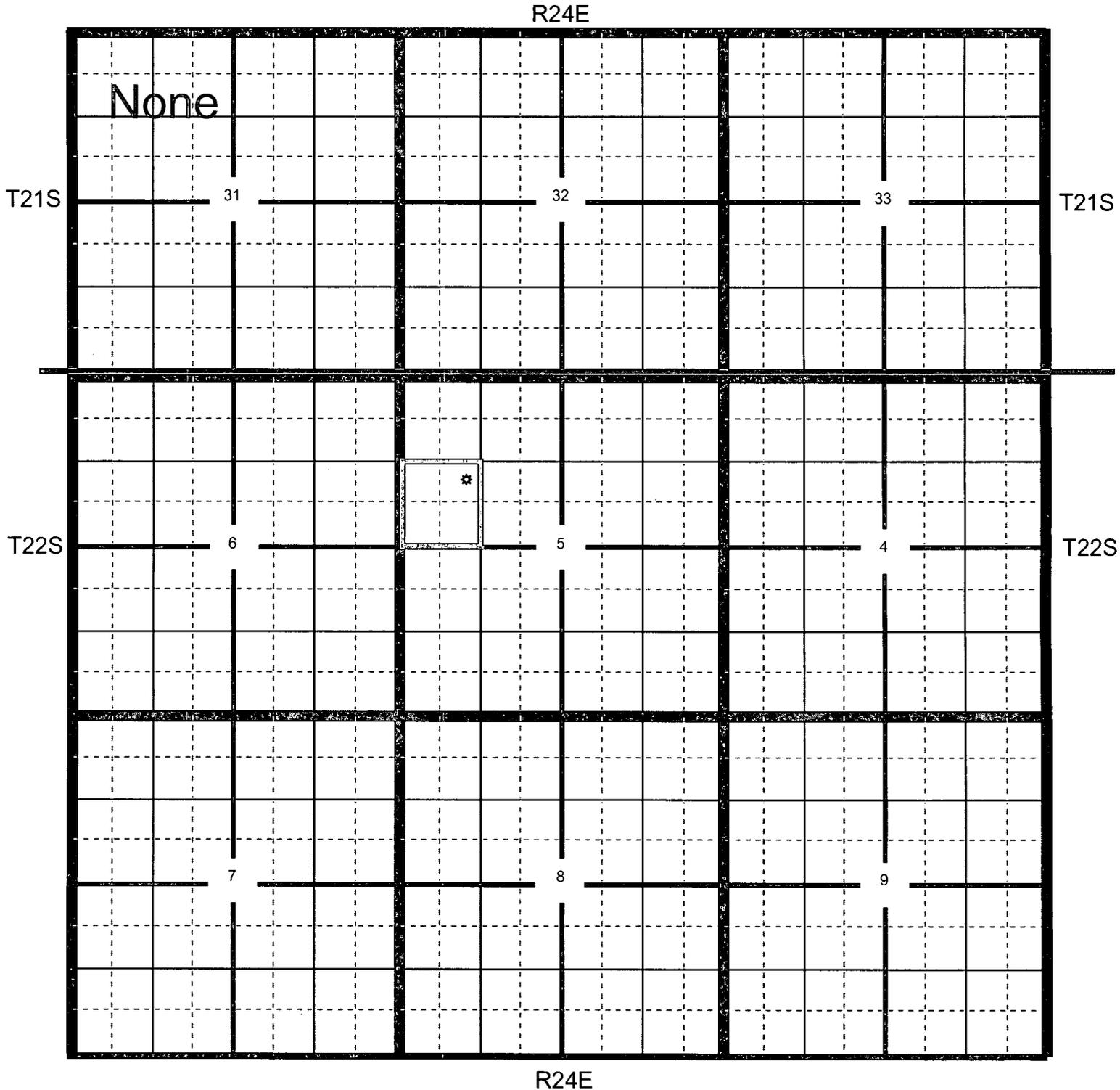
Unit Letter
E

Section
5

Township
22S

Range
24E

Trend Map <50'



★ Location

○ OCD

○ USGS

○ SEO

● All Databases

Oxy Nagooltee Peak 5 Federal #2

County Eddy Unit Letter E Section 5 Township 22S Range 24E

Trend Map <50'

1

2

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

3

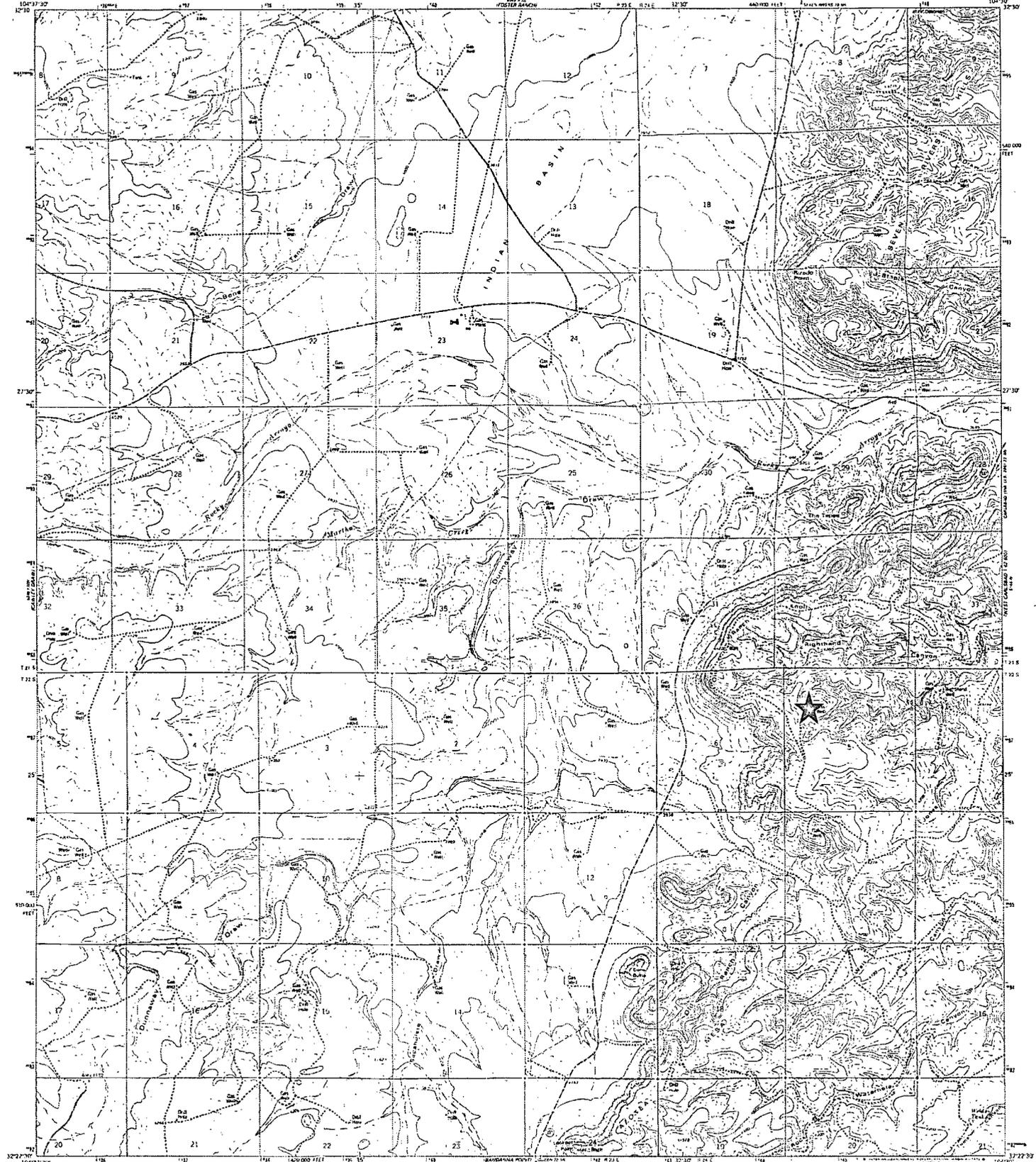
4

Oxy

Nagooltee Peak 5 Fed #2

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MARTHA CREEK QUADRANGLE
NEW MEXICO—EDDO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NEAR BROADWATER POINT 19 QUADRANGLE



Mapped, edited, and published by the Geological Survey
Control by USGS and NOAA
Topography by photogrammetric methods from aerial photographs
taken 1937. Field checked 1952. Map revised 1978.
Projection and 10,000-foot grid from New Mexico
coordinate system, east zone (Universal Mercator)
1000-foot Universal Transverse Mercator grid is
shown in blue. 1927 North American datum.
Five-foot dashed lines indicate selected bench lines.



SCALE 1:24,000
CONTOUR INTERVAL 20 FEET
NATIONAL GEODESIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION:
Primary highway, Light duty road, hard or
hard surface, Improved surface
Secondary highway, Unimproved road
Field surface, Unimproved road
Interstate Route, U.S. Route, State Route

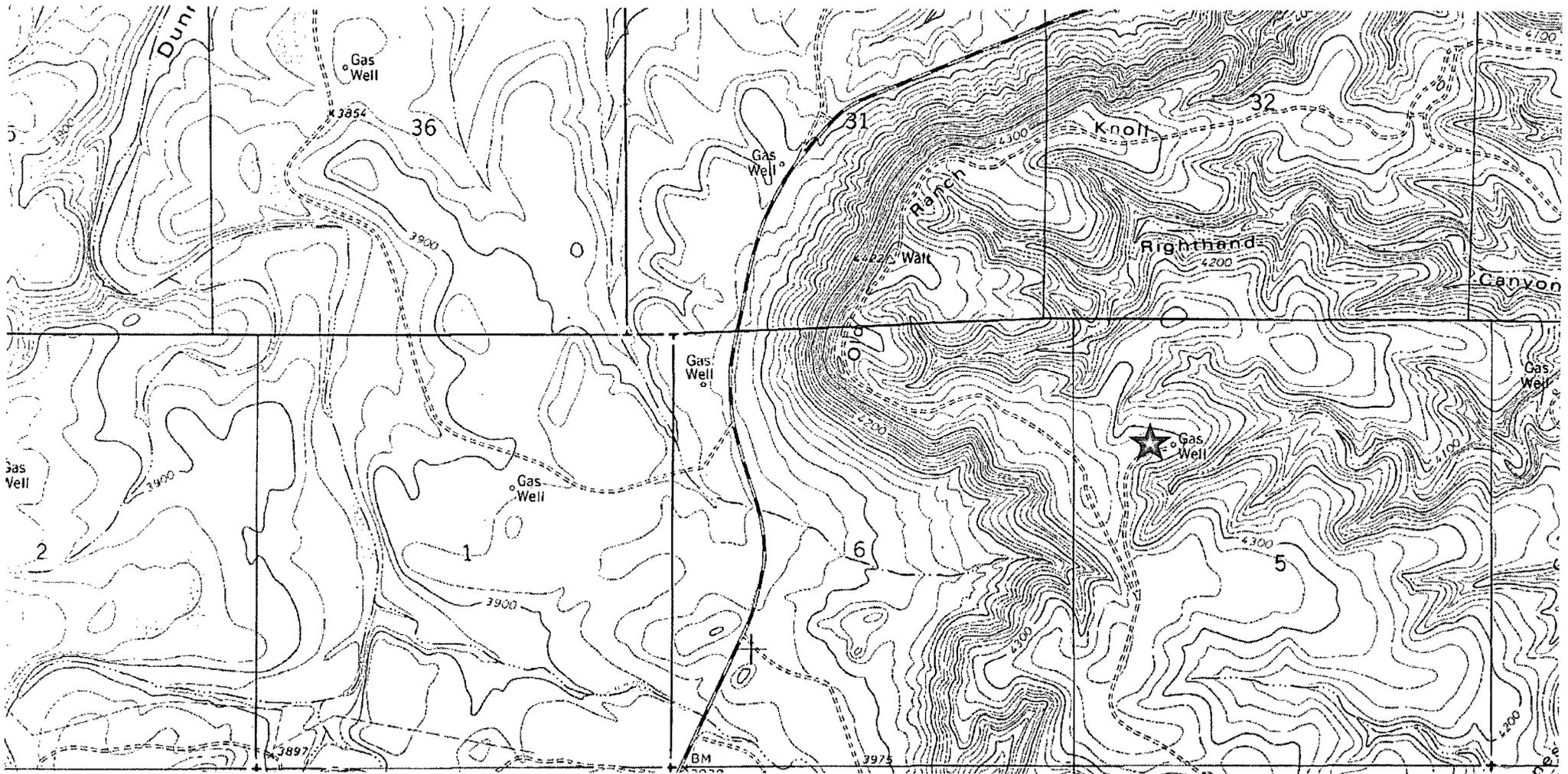
THIS MAP COMPLES WITH NATIONAL MAP SECURITY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80202, OR RESTON, VIRGINIA 22092
A POLAR PROJECTION TOPOGRAPHIC MAP AND HYDROLOGIC AVAILABILITY FIGURE

MARTHA CREEK, N. MEX.
1:24,000 (1:62,500) 7.5 MINUTE SERIES
1978

AMS 5041 DE 3/83 ED 1041

Oxy

Nagooltee Peak 5 Federal #2



Laboratory Analytical Results Summary
Nagooltee Peak 5 Fed Com #2

Analyte	Method	Sample Date	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 1.5'
			7/12/13	7/12/13	7/15/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.103	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.658	<0.150	<0.150
Total BTEX	BTEX 8021B		0.814	<0.300	<0.300
Chloride	SM4500Cl-B		512	480	256
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		57.4	<10.0	<10.0

Analyte	Method	Sample Date	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 1.5'
			7/12/13	7/12/13	7/16/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		1570	592	224
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		17	<10.0	<10.0

Analyte	Method	Sample Date	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 1.5'
			7/12/13	7/12/13	7/15/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.412	<0.150	<0.150
Total BTEX	BTEX 8021B		0.499	<0.300	<0.300
Chloride	SM4500Cl-B		1310	496	288
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

Analyte	Method	Sample Date	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 1.5'
			7/12/13	7/12/13	7/16/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.092	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.212	<0.150	<0.150
Total BTEX	BTEX 8021B		0.336	<0.300	<0.300
Chloride	SM4500Cl-B		800	576	160
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

Analyte	Method	Sample Date	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 1.5'
			7/12/13	7/12/13	7/15/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		656	1150	192
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

Analyte	Method	Sample Date	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 1.5'
			7/12/13	7/12/13	7/16/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.094	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.219	<0.150	<0.150
Total BTEX	BTEX 8021B		0.346	<0.300	<0.300
Chloride	SM4500Cl-B		672	576	192
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

July 19, 2013

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

RE: NAGOOLTEE PEAK 5 FED COM #2

Enclosed are the results of analyses for samples received by the laboratory on 07/15/13 10:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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,



Mike Snyder
Organic Supervisor

Analytical Results For:

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

Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H301647-01)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2013	ND	2.32	116	2.00	13.8		
Toluene*	0.103	0.050	07/16/2013	ND	2.18	109	2.00	14.6		
Ethylbenzene*	<0.050	0.050	07/16/2013	ND	2.21	110	2.00	15.2		
Total Xylenes*	0.658	0.150	07/16/2013	ND	6.53	109	6.00	13.9		
Total BTEX	0.814	0.300	07/16/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	57.4	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 89.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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.



Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 1 FT (H301647-02)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 107 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 91.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H301647-03)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	0.412	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	0.499	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1310	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 88.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.4 % 63.6-154

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*=Accredited Analyte

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 1 FT (H301647-04)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 86.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.6 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H301647-05)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 90.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Analytical Results For:

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H301647-06)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 86.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ SURFACE (H301647-07)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	17.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 88.8 % 65.2-140
Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ 1 FT (H301647-08)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 84.1 % 63.2-140

Surrogate: 1-Chlorooctadecane 96.9 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ SURFACE (H301647-09)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	0.092	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	0.212	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	0.336	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 86.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ 1 FT (H301647-10)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

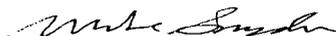
Surrogate: 1-Chlorooctane 83.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.8 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 6 @ SURFACE (H301647-11)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	0.094	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	0.219	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	0.346	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 80.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.1 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 6 @ 1 FT (H301647-12)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 84.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.7 % 63.6-154

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* = Accredited Analyte

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Mike Snyder, Organic Supervisor

Notes and Definitions

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

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Mike Snyder, Organic Supervisor



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST											
Project Manager: Cliff Brunson		P.O. #:													
Address: P.O. Box 805		Company:													
City: Hobbs State: NM Zip: 88241		Attn:													
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:													
Project #: Project Owner: <i>JKY</i>		City: <i>Same</i>													
Project Name: <i>Ragoltee Peake 5-2</i>		State: <i>Same</i> Zip:													
Project Location: <i>Carl's Dad</i>		Phone #:													
Sampler Name: <i>JEFF ORRICKS</i>		Fax #:													

FOR LAB USE ONLY		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV		SAMPLING		CL	TPH	B-TEX	
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:				DATE
H301647																
	1 SP2 @ Surface	6	1			X				X	7-12-13	10:35	X	X	X	
	2 SP2 @ 2FT	6	1			X				X	7-12-13	11:15	X	X	X	
	3 SP2 @ Surface	6	1			X				X	7-12-13	11:39	X	X	X	
	4 SP2 @ Surface 2FT	6	1			X				X	7-12-13	12:00	X	X	X	
	5 SP3 @ Surface	6	1			X				X	7-12-13	1:11	X	X	X	
	6 SP3 @ 2FT	6	1			X				X	7-12-13	1:20	X	X	X	
	7 SP4 @ Surface	6	1			X				X	7-12-13	1:36	X	X	X	
	8 SP4 @ 2FT	6	1			X				X	7-12-13	2:00	X	X	X	
	9 SP5 @ Surface	6	1			X				X	7-12-13	2:15	X	X	X	
	10 SP5 @ 2FT	6	1			X				X	7-12-13	2:31	X	X	X	

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Relinquished By: <i>JEFF</i>	Date: <i>7/15/13</i> Time: <i>10:25</i>	Received By: <i>Jodi Nenson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <i>JH</i>	

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

#54

July 23, 2013

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

RE: NAGOOLTEE PEAK 5 FED COM #2

Enclosed are the results of analyses for samples received by the laboratory on 07/17/13 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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:	07/17/2013	Sampling Date:	07/15/2013
Reported:	07/23/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 1 1/2 (H301678-01)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3		
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6		
Total BTEX	<0.300	0.300	07/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/22/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	07/22/2013	ND	184	91.8	200	1.99		
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15		

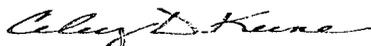
Surrogate: 1-Chlorooctane 87.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/17/2013	Sampling Date:	07/15/2013
Reported:	07/23/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 1 1/2 (H301678-02)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3		
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6		
Total BTEX	<0.300	0.300	07/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	07/22/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	07/22/2013	ND	184	91.8	200	1.99		
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15		

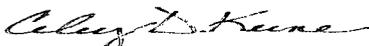
Surrogate: 1-Chlorooctane 76.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.7 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/17/2013	Sampling Date:	07/15/2013
Reported:	07/23/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 1 1/2 (H301678-03)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3		
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6		
Total BTEX	<0.300	0.300	07/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/22/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	07/22/2013	ND	184	91.8	200	1.99		
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15		

Surrogate: 1-Chlorooctane 81.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/17/2013	Sampling Date:	07/16/2013
Reported:	07/23/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ 1 1/2 (H301678-04)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3		
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6		
Total BTEX	<0.300	0.300	07/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	07/22/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	07/22/2013	ND	184	91.8	200	1.99		
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15		

Surrogate: 1-Chlorooctane 81.9 % 65.2-140
Surrogate: 1-Chlorooctadecane 98.9 % 63.6-154

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

Received:	07/17/2013	Sampling Date:	07/16/2013
Reported:	07/23/2013	Sampling Type:	Soil
Project Name:	NAGOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ 1 1/2 (H301678-05)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3		
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6		
Total BTEX	<0.300	0.300	07/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/22/2013	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	07/22/2013	ND	184	91.8	200	1.99		
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15		

Surrogate: 1-Chlorooctane 80.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.1 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/17/2013	Sampling Date:	07/16/2013
Reported:	07/23/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 6 @ 1 1/2 (H301678-06)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3		
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6		
Total BTEX	<0.300	0.300	07/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/22/2013	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	07/22/2013	ND	184	91.8	200	1.99		
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15		

Surrogate: 1-Chlorooctane 85.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.5 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST													
Project Manager: Cliff Brunson		P.O. #:															
Address: P.O. Box 805		Company:															
City: Hobbs State: NM Zip: 88241		Attn:															
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:															
Project #:		City: <i>Same</i>															
Project Name: <i>Neq water peak 5-2</i>		State: Zip:															
Project Location: <i>Carls Bad</i>		Phone #:															
Sampler Name: <i>JEFF or Neles</i>		Fax #:															
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME			
<i>H301678</i>																	
	<i>1 SP 2 @ 1 1/2</i>	<i>6</i>	<i>2</i>			<i>X</i>					<i>X</i>		<i>7-15-13</i>	<i>1:11</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>2 SP 2 @ 1 1/2</i>	<i>6</i>	<i>2</i>			<i>X</i>					<i>X</i>		<i>7-15-13</i>	<i>2:00</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>3 SP 3 @ 2 1/2</i>	<i>6</i>	<i>2</i>			<i>X</i>					<i>X</i>		<i>7-15-13</i>	<i>3:03</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>4 SP 4 @ 1 1/2</i>	<i>6</i>	<i>1</i>			<i>X</i>					<i>X</i>		<i>7-16-13</i>	<i>9:19</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>5 SP 5 @ 1 1/2</i>	<i>6</i>	<i>2</i>			<i>X</i>					<i>X</i>		<i>7-16-13</i>	<i>10:11</i>	<i>X</i>	<i>X</i>	<i>X</i>
	<i>6 SP 6 @ 1 1/2</i>	<i>6</i>	<i>2</i>			<i>X</i>					<i>X</i>		<i>7-16-13</i>	<i>1:09</i>	<i>X</i>	<i>X</i>	<i>X</i>

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Relinquished By: <i>Jeff or Neles</i>	Date: <i>7/11/13</i>	Received By: <i>Jodi Benson</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>4:30</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>[Signature]</i>		

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

#54

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Thursday, January 09, 2014 8:27 AM
To: Cliff P. Brunson
Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY-Nagooltee Peak 5 Federal #2-Remediation Plan

Reference: OXY USA WTP, LP * Nagooltee Peak 5 002 * 30-015-28074 * E-5-22s-24e * Eddy County, New Mexico
NMOCD Tracking number: 2RP-1767 * Date of release: 7/11/2013

Cliff,

Your proposal for remediation of the above reference produced fluid release is approved. Please notify OCD prior to commencement of remedial activities. Federal sites will require like approval by BLM.

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.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Wednesday, January 01, 2014 1:28 PM
To: Bratcher, Mike, EMNRD
Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Nagooltee Peak 5 Federal #2-Remediation Plan

Mike,

This e-mail is to confirm our conversation on December 18, 2013 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 1 foot in the areas depicted by SP1 and SP2. The rest of the spill area will not be disturbed due to steep terrain. The excavated area will then be backfilled with clean soil.

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.

World-Wide Environmental Specialists

Mailing Address:

P. O. Box 805

Hobbs, NM 88241-0805 USA

Shipping Address:

1324 W. Marland St.

Hobbs, NM 88240 USA

Phone: (575) 397-6388

Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com

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Kathy Purvis

From: Van Curen, Jennifer <jvancure@blm.gov>
Sent: Thursday, January 30, 2014 6:00 AM
To: Cliff P. Brunson
Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: FW: OXY-Nagooltee Peak 5 Federal #2-Remediation Plan

Plan Implementation:

1. Cleanup actions must be initiated within 30 days of plan approval.
2. Area that is downslope from area that is being re-mediated will need to have a followup in 120 days. If vegetation is not successful, due to contaminants, disturbance up-slope causing issues, or other; further work may be required.

Samples are older than 60 days for pad and 30 days for pasture, but it will not be required for bottoms due to low levels.

BLM approval of this proposal does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health, or the environment, or if the location fails to reclaim properly. In such an event that location does not vegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws/regulations.

JENNIFER E VAN CUREN
ENVIRONMENTAL PROTECTION SPECIALIST
DOI-BLM-CARLSBAD FIELD OFFICE
320 E GREENE ST. CARLSBAD, NM 88220
OFFICE- 575-234-5905
CELL - 575-361-0042
FAX - 575-234-5927

On Tue, Jan 28, 2014 at 6:19 PM, Cliff P. Brunson <cbrunson@bbcinternational.com> wrote:
Jennifer,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD as referenced by his e-mail below. Oxy will excavate to a depth of 1 foot in the areas depicted by SP1 and SP2. The rest of the spill area will not be disturbed due to steep terrain. The excavated area will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us 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
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From: Mike Bratcher <mike.bratcher@state.nm.us>
Date: Thursday, January 9, 2014 8:27 AM
To: Cliff Brunson <cbrunson@bbcinternational.com>
Cc: Chris Jones <Christopher_Jones@oxy.com>, Ken Swinney <kswinney@bbcinternational.com>, Jennifer Gilkey <gilkey@bbcinternational.com>, Kathy Purvis <kathy@bbcinternational.com>
Subject: RE: OXY-Nagooltee Peak 5 Federal #2-Remediation Plan

Reference: OXY USA WTP, LP * Nagooltee Peak 5 002 * 30-015-28074 * E-5-22s-24e * Eddy County, New Mexico

NMOCD Tracking number: 2RP-1767 * Date of release: 7/11/2013

Cliff,

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If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher

NMOCD District 2

811 S. First Street

Artesia, NM 88210

O: 575-748-1283 X108

C: 575-626-0857

F: 575-748-9720

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

Sent: Wednesday, January 01, 2014 1:28 PM

To: Bratcher, Mike, EMNRD

Cc: Chris Jones; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: OXY-Nagooltee Peak 5 Federal #2-Remediation Plan

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Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

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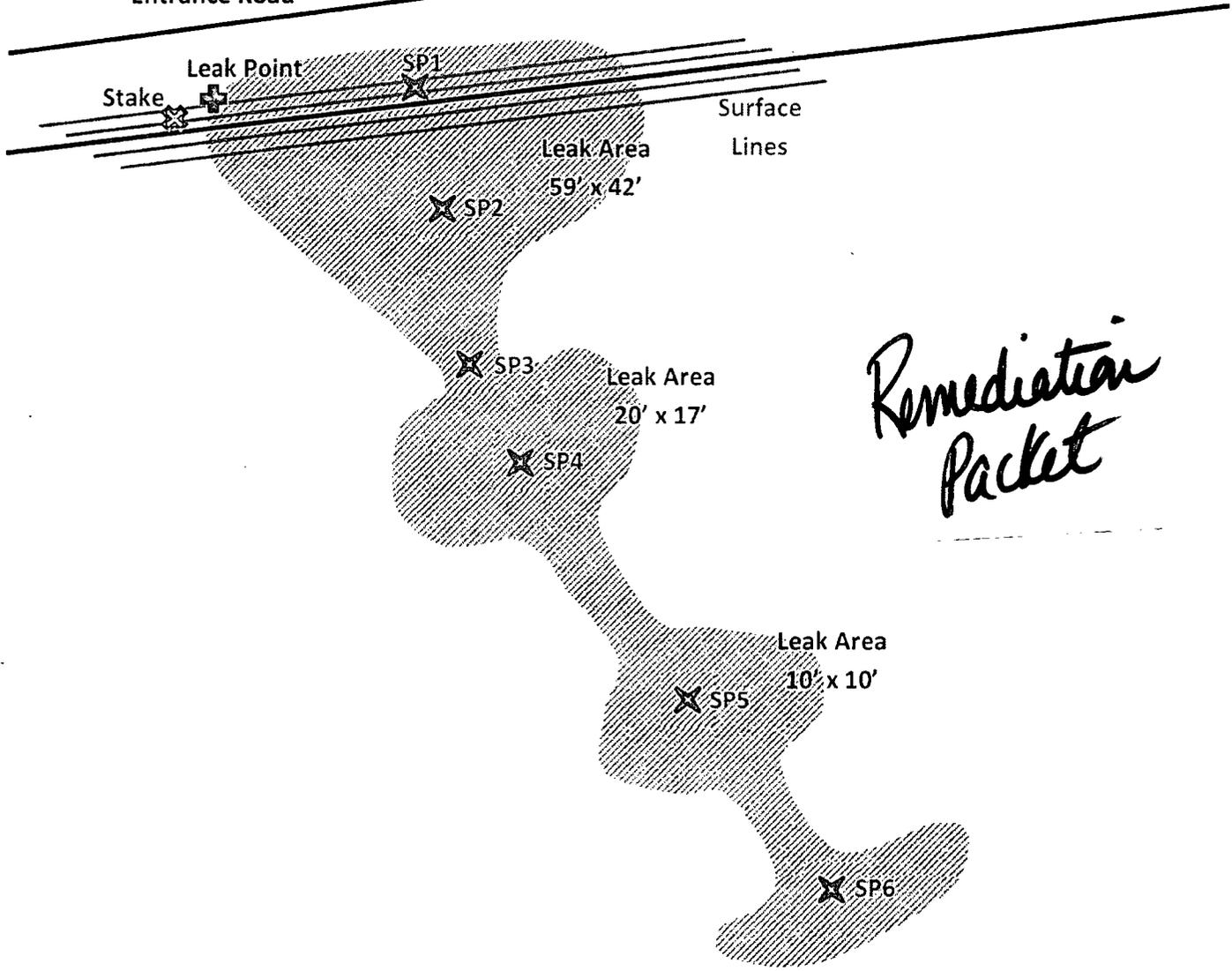


Oxy

Nagooltee Peak 5 Federal #2

Location Pad

Entrance Road



*Remediation
Packet*

U/L E, Section 5, T22S, R24E

1562' FNL and 1202' FWL

Eddy County, NM

GPS at Stake: N 32.42378° W 104.52532°

API#30-015-28074, NM Lease # 81217

BBC International, Inc.

Oxy

Nagooltee Peak 5 Federal #2

Date: 07/17/2013

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013



Groundwater Plot

Oxy Nagooltee Peak 5 Federal #2

County
Eddy

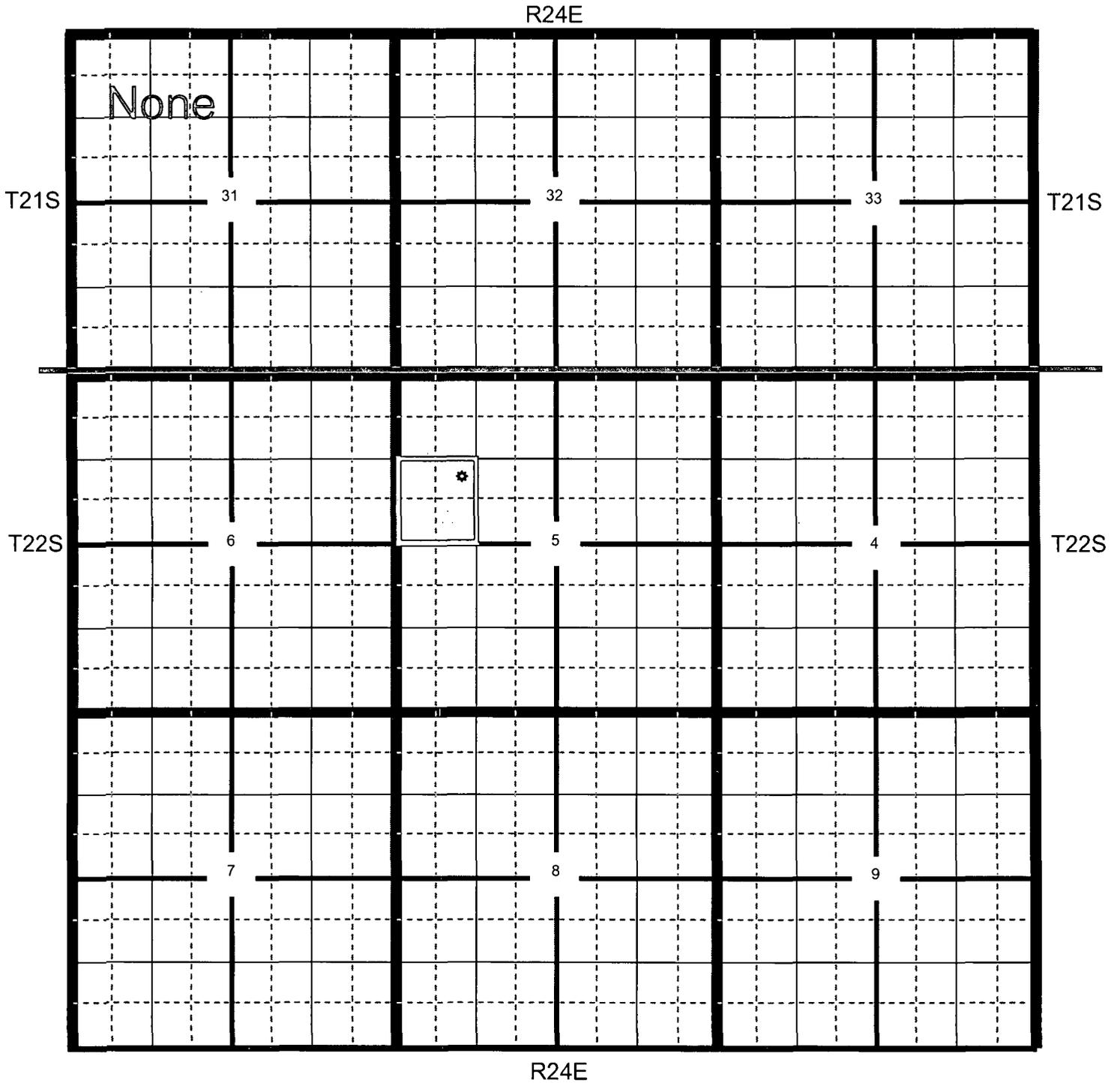
Unit Letter
E

Section
5

Township
22S

Range
24E

Trend Map <50'



★ Location ○ OCD ○ USGS ○ SEO ★ All Databases



Section Quarters

Oxy Nagooltee Peak 5 Federal #2

County Eddy	Unit Letter E	Section 5	Township 22S	Range 24E
-----------------------	-------------------------	---------------------	------------------------	---------------------

Trend Map <50'

1

2

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

3

4

Location
 OCD
 USGS
 SEO
 All Databases

Laboratory Analytical Results Summary
Nagooltee Peak 5 Fed Com #2

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/15/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.103	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.658	<0.150	<0.150
Total BTEX	BTEX 8021B		0.814	<0.300	<0.300
Chloride	SM4500CI-B		512	480	256
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		57.4	<10.0	<10.0

		Sample	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/16/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		1570	592	224
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		17	<10.0	<10.0

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/15/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.412	<0.150	<0.150
Total BTEX	BTEX 8021B		0.499	<0.300	<0.300
Chloride	SM4500CI-B		1310	496	288
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/16/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.092	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.212	<0.150	<0.150
Total BTEX	BTEX 8021B		0.336	<0.300	<0.300
Chloride	SM4500CI-B		800	576	160
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/15/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500CI-B		656	1150	192
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 1.5'
Analyte	Method	Date	7/12/13	7/12/13	7/16/13
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.094	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.219	<0.150	<0.150
Total BTEX	BTEX 8021B		0.346	<0.300	<0.300
Chloride	SM4500CI-B		672	576	192
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

July 19, 2013

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

RE: NAGOOLTEE PEAK 5 FED COM #2

Enclosed are the results of analyses for samples received by the laboratory on 07/15/13 10:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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,



Mike Snyder
Organic Supervisor

Analytical Results For:

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

Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H301647-01)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2013	ND	2.32	116	2.00	13.8		
Toluene*	0.103	0.050	07/16/2013	ND	2.18	109	2.00	14.6		
Ethylbenzene*	<0.050	0.050	07/16/2013	ND	2.21	110	2.00	15.2		
Total Xylenes*	0.658	0.150	07/16/2013	ND	6.53	109	6.00	13.9		
Total BTEX	0.814	0.300	07/16/2013	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	57.4	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 89.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder, Organic Supervisor

Analytical Results For:

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

Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 1 FT (H301647-02)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 91.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder, Organic Supervisor

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

Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H301647-03)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	0.412	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	0.499	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1310	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 88.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.4 % 63.6-154

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Analytical Results For:

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

Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 1 FT (H301647-04)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 86.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.6 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H301647-05)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 108 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

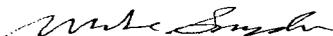
Surrogate: 1-Chlorooctane 90.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H301647-06)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 86.1 % 65.2-140
Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ SURFACE (H301647-07)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	17.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 88.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ 1 FT (H301647-08)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 84.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.9 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ SURFACE (H301647-09)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	0.092	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	0.212	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	0.336	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 86.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ 1 FT (H301647-10)

BTX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTX	<0.300	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 83.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.8 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 6 @ SURFACE (H301647-11)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	0.094	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	0.219	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	0.346	0.300	07/18/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 80.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.1 % 63.6-154

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Received:	07/15/2013	Sampling Date:	07/12/2013
Reported:	07/19/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 6 @ 1 FT (H301647-12)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2013	ND	2.10	105	2.00	12.8		
Toluene*	<0.050	0.050	07/18/2013	ND	2.11	106	2.00	13.7		
Ethylbenzene*	<0.050	0.050	07/18/2013	ND	2.23	112	2.00	13.6		
Total Xylenes*	<0.150	0.150	07/18/2013	ND	6.77	113	6.00	13.9		
Total BTEX	<0.300	0.300	07/18/2013	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	07/18/2013	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	07/18/2013	ND	197	98.4	200	4.69		
DRO >C10-C28	<10.0	10.0	07/18/2013	ND	202	101	200	7.67		

Surrogate: 1-Chlorooctane 84.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.7 % 63.6-154

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*=Accredited Analyte

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Mike Snyder, Organic Supervisor

Notes and Definitions

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

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*=Accredited Analyte

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Mike Snyder, Organic Supervisor

July 23, 2013

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

RE: NAGOOLTEE PEAK 5 FED COM #2

Enclosed are the results of analyses for samples received by the laboratory on 07/17/13 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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:	07/17/2013	Sampling Date:	07/15/2013
Reported:	07/23/2013	Sampling Type:	Soil
Project Name:	NAGOOTTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 1 1/2 (H301678-01)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3		
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6		
Total BTEX	<0.300	0.300	07/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/22/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	07/22/2013	ND	184	91.8	200	1.99		
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15		

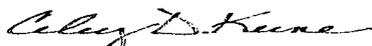
Surrogate: 1-Chlorooctane 87.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/17/2013	Sampling Date:	07/15/2013
Reported:	07/23/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 1 1/2 (H301678-02)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3		
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6		
Total BTEX	<0.300	0.300	07/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	07/22/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	07/22/2013	ND	184	91.8	200	1.99		
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15		

Surrogate: 1-Chlorooctane 76.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.7 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/17/2013	Sampling Date:	07/15/2013
Reported:	07/23/2013	Sampling Type:	Soil
Project Name:	NAGOOTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 1 1/2 (H301678-03)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3		
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6		
Total BTEX	<0.300	0.300	07/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/22/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	07/22/2013	ND	184	91.8	200	1.99		
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15		

Surrogate: 1-Chlorooctane 81.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/17/2013	Sampling Date:	07/16/2013
Reported:	07/23/2013	Sampling Type:	Soil
Project Name:	NAGOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ 1 1/2 (H301678-04)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3		
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6		
Total BTEX	<0.300	0.300	07/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	07/22/2013	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	07/22/2013	ND	184	91.8	200	1.99		
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15		

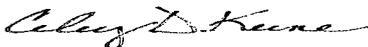
Surrogate: 1-Chlorooctane 81.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.9 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/17/2013	Sampling Date:	07/16/2013
Reported:	07/23/2013	Sampling Type:	Soil
Project Name:	NAGOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ 1 1/2 (H301678-05)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3		
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6		
Total BTEX	<0.300	0.300	07/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/22/2013	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	07/22/2013	ND	184	91.8	200	1.99		
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15		

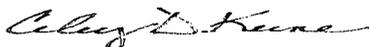
Surrogate: 1-Chlorooctane 80.8 % 63.2-140

Surrogate: 1-Chlorooctadecane 91.1 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/17/2013	Sampling Date:	07/16/2013
Reported:	07/23/2013	Sampling Type:	Soil
Project Name:	NAGOOLTEE PEAK 5 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 6 @ 1 1/2 (H301678-06)

BTEX 8021B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2013	ND	2.02	101	2.00	10.3		
Toluene*	<0.050	0.050	07/22/2013	ND	2.03	102	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/22/2013	ND	2.16	108	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/22/2013	ND	6.53	109	6.00	11.6		
Total BTEX	<0.300	0.300	07/22/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/22/2013	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	07/22/2013	ND	184	91.8	200	1.99		
DRO >C10-C28	<10.0	10.0	07/22/2013	ND	193	96.6	200	3.15		

Surrogate: 1-Chlorooctane 85.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.5 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																					
Project Manager: Cliff Brunson		P.O. #:																							
Address: P.O. Box 805		Company:																							
City: Hobbs State: NM Zip: 88241		Attn:																							
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:																							
Project #: Project Owner: OXY		City: Same																							
Project Name: Negotiate Peak 5-2		State: Zip:																							
Project Location: Carl's Bad		Phone #:																							
Sampler Name: Jeff Orndorff		Fax #:																							
FOR LAB USE ONLY																									
Lab I.D.		Sample I.D.																							
H301678																									
		(G)RAB OR (C)OMP. # CONTAINERS		MATRIX				PRESERV.		SAMPLING															
				GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:				DATE TIME																	
1 SP 2 @ 2 1/2		6 2		X				X		7-15-17 1:11		X X		CL- B-TEX TPH											
2 SP 2 @ 1 1/2		6 2		X				X		7-15-17 2:00		X X X													
3 SP 3 @ 2 1/2		6 2		X				X		7-15-17 2:03		X X X													
4 SP 4 @ 2 1/2		6 1		X				X		7-16-17 9:19		X X X													
5 SP 5 @ 2 1/2		6 2		X				X		7-16-17 10:11		X X X													
6 SP 6 @ 2 1/2		6 2		X				X		7-16-17 1:09		X X X													

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Relinquished By: Jeff Orndorff		Date: 7/17/13		Received By: Jodi Benson		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Date:		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Time:		Time:		Time:		REMARKS:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:			Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: [Signature]				

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

#54

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

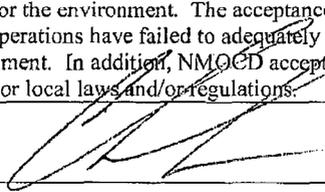
Name of Company	Oxy Permian Ltd.	Contact	Christopher Jones
Address	1502 W. Commerce Dr., Carlsbad, NM	Telephone No.	(575) 628-4121
Facility Name	Nagooltee Peak 5 Federal #2	Facility Type	
Surface Owner	BLM	Mineral Owner	API No. 30-015-28074

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	5	22S	24E	1562	North	1202	West	Eddy County, NM

Latitude N 32.42378° Longitude W 104.52532°

NATURE OF RELEASE

Type of Release	Produced water	Volume of Release	60 bbls	Volume Recovered	0 bbls
Source of Release	Hole in steel flow line	Date and Hour of Occurrence	07/11/2013	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher and Jean Marie Warren- OCD, James Amos- BLM		
By Whom?	Christopher Jones	Date and Hour	07/12/2013 @ 10:54 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*					
Describe Cause of Problem and Remedial Action Taken.* A hole in a steel flow line caused 60 bbls of produced water to leak onto the ground. No fluids were recovered. The line was repaired.					
Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 200' x 60'. Remediation will be completed in accordance with a plan approved by NMOCD and the BLM.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					
Signature: 		OIL CONSERVATION DIVISION			
Printed Name: Christopher Jones		Approved by District Supervisor:			
Title: HES Specialist		Approval Date:		Expiration Date:	
E-mail Address: Christopher.Jones@oxy.com		Conditions of Approval:			Attached <input type="checkbox"/>
Date: 7-29-13		Phone: (575) 628-4121			

* Attach Additional Sheets If Necessary