



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

DELINEATION/REMEDATION WORKPLAN

OXY – NESTE 6 1 CTB (Leak Date: 8/11/19)

2RP-5626

This delineation workplan and remediation proposal addresses the releases associated with 2RP-5626.

The following information includes:

1. Appropriate completed and signed C-141 pages.
2. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
3. GPS information for sample points and sample methodology.
4. Depth to groundwater information (i.e., pdf of OSE search results, USGS search results, and/or copy of Chevron groundwater trend map).
5. Watercourse/features map within 1000 feet.
6. BLM Cave Karst map.
7. FEMA National Flood map.
8. Laboratory analysis results summary table and original laboratory analysis reports.
9. Potentially other pertinent information as necessary for site specific purposes.

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

OXY will excavate the spill area as depicted on the following site diagram. The leak area near SP1 and SP2 (BLUE shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP3 (PURPLE shade on diagram) will be excavated to a depth of 4 feet. The leak area near SP4 and SP5 (WHITE shade on diagram) will require zero remediation.

Bottom and sidewall confirmation samples will be collected every 75 feet. The estimated amount of soil to be excavated is 146 cubic yards. The remediation will be completed within 90 days of approval.

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

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

Form C-141

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State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-5626
Facility ID	
Application ID	

Site Assessment/Characterization*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	454 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	2RP-5626
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Wade Dittrich Title: Environmental CoordinatorSignature:  Date: 2-10-2020email: wade_dittrich@oxy.com Telephone: (575) 390-2828**OCD Only**

Received by: _____ Date: _____

Form C-141

Page 5

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-5626
Facility ID	
Application ID	

Remediation Plan

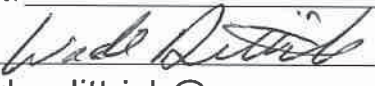
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 2/10/2020
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

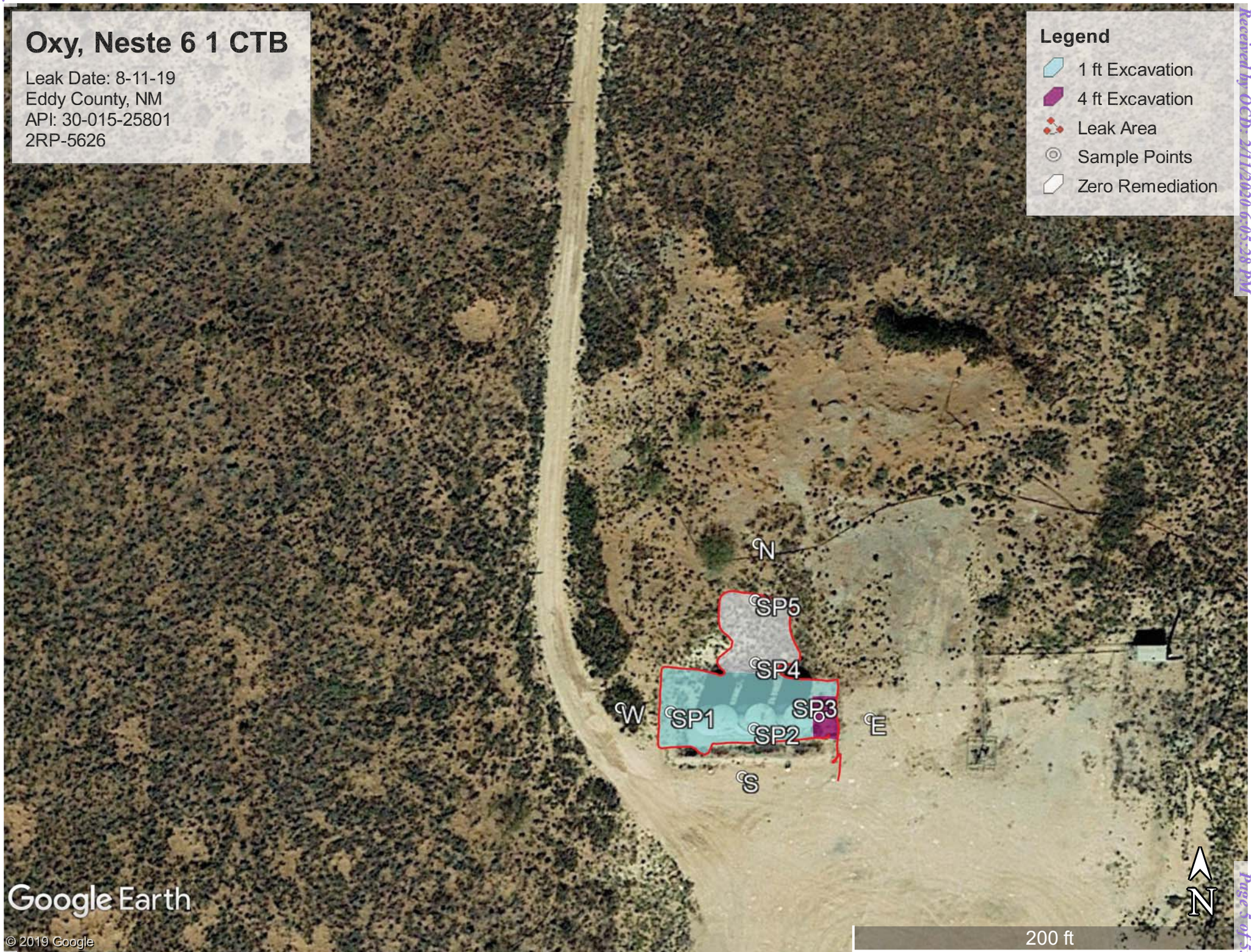
Signature: _____ Date: _____

Oxy, Neste 6 1 CTB

Leak Date: 8-11-19
Eddy County, NM
API: 30-015-25801
2RP-5626

Legend

- 1 ft Excavation
- 4 ft Excavation
- Leak Area
- Sample Points
- Zero Remediation



Google Earth

© 2019 Google

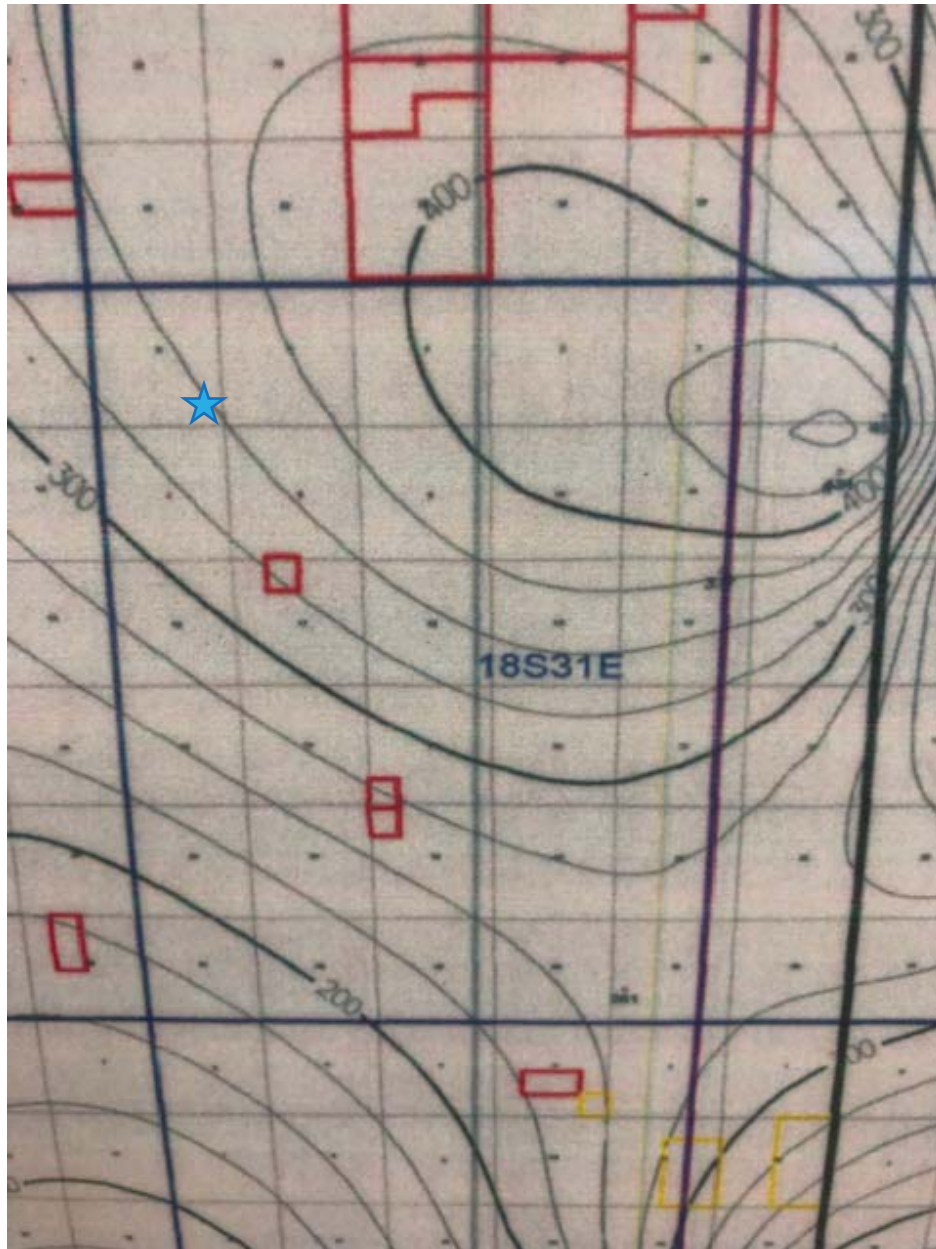
200 ft

Oxy, Neste 6 1 CTB 8-11-19

Sample Points

SP1, N 32.77108 W -103.90300
SP2, N 32.77106 W -103.90286
SP3, N 32.77107 W -103.90275
SP4, N 32.77115 W -103.90286
SP5, N 32.77124 W -103.90286
North, N 32.77125 W -103.90285
East, N 32.77108 W -103.90271
West, N 32.77108 W -103.90303
South, N 32.77103 W -103.90285

Oxy, Neste 6 1 CTB
U/L P, Section 6, T18S, R31E
Groundwater: 350'





USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324600103484601

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 324600103484601 18S.31E.01.44432

Eddy County, New Mexico
Latitude 32°46'00", Longitude 103°48'46" NAD27
Land-surface elevation 3,790 feet above NAVD88
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1971-04-07		D	460.42				2	S		U
1976-05-27		D	454.56				2			U
1986-01-26		D	454.29				2			S
1990-09-25		D	453.62				2			S
1994-03-17		D	454.25				2			S

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Status	S	Nearby site that taps the same aquifer was being pumped.
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)
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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>

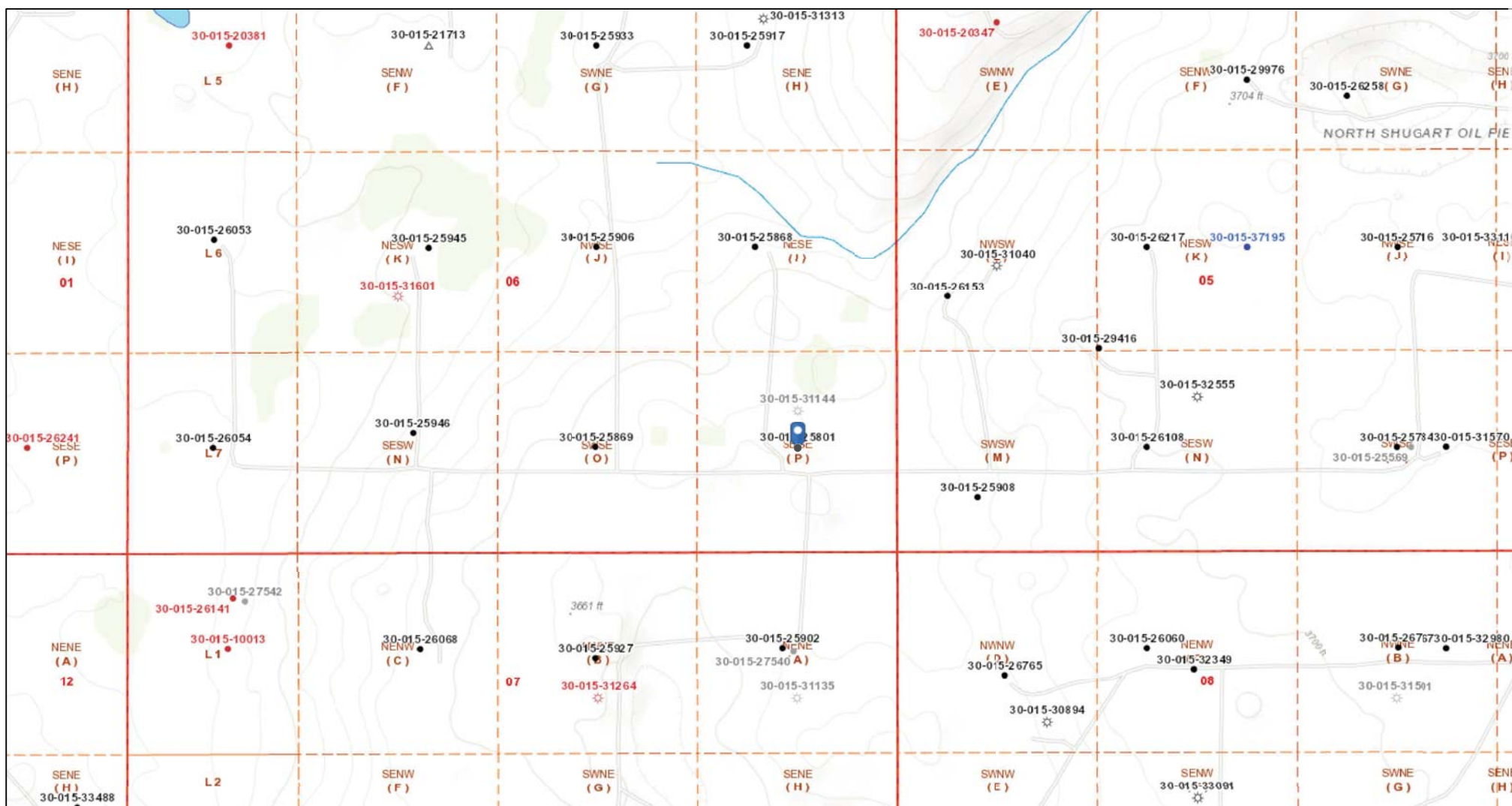


Page Contact Information: [New Mexico Water Data Maintainer](#)

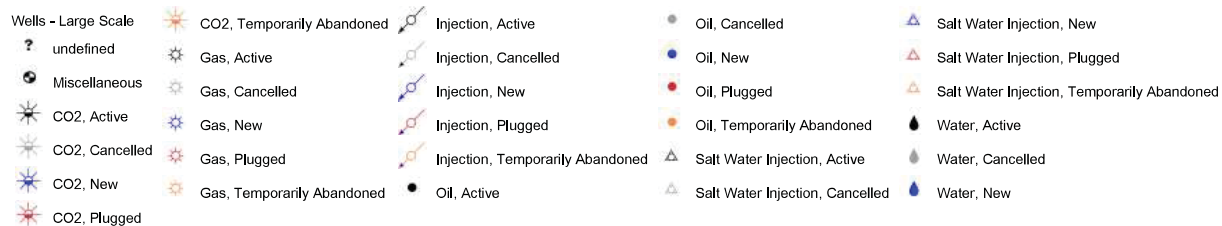
Page Last Modified: 2020-01-30 18:23:12 EST

0.24 0.21 nadww01

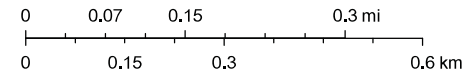
Oxy, Neste 6 1 CTB, 1,300 ft



2/10/2020 10:29:00 AM



1:9,028





Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI,

Oxy, Neste 6 1 CTB

Leak Date: 8-11-19
Eddy County, NM
API: 30-015-25801
2RP-5626

BLM CAVE KARST MAP

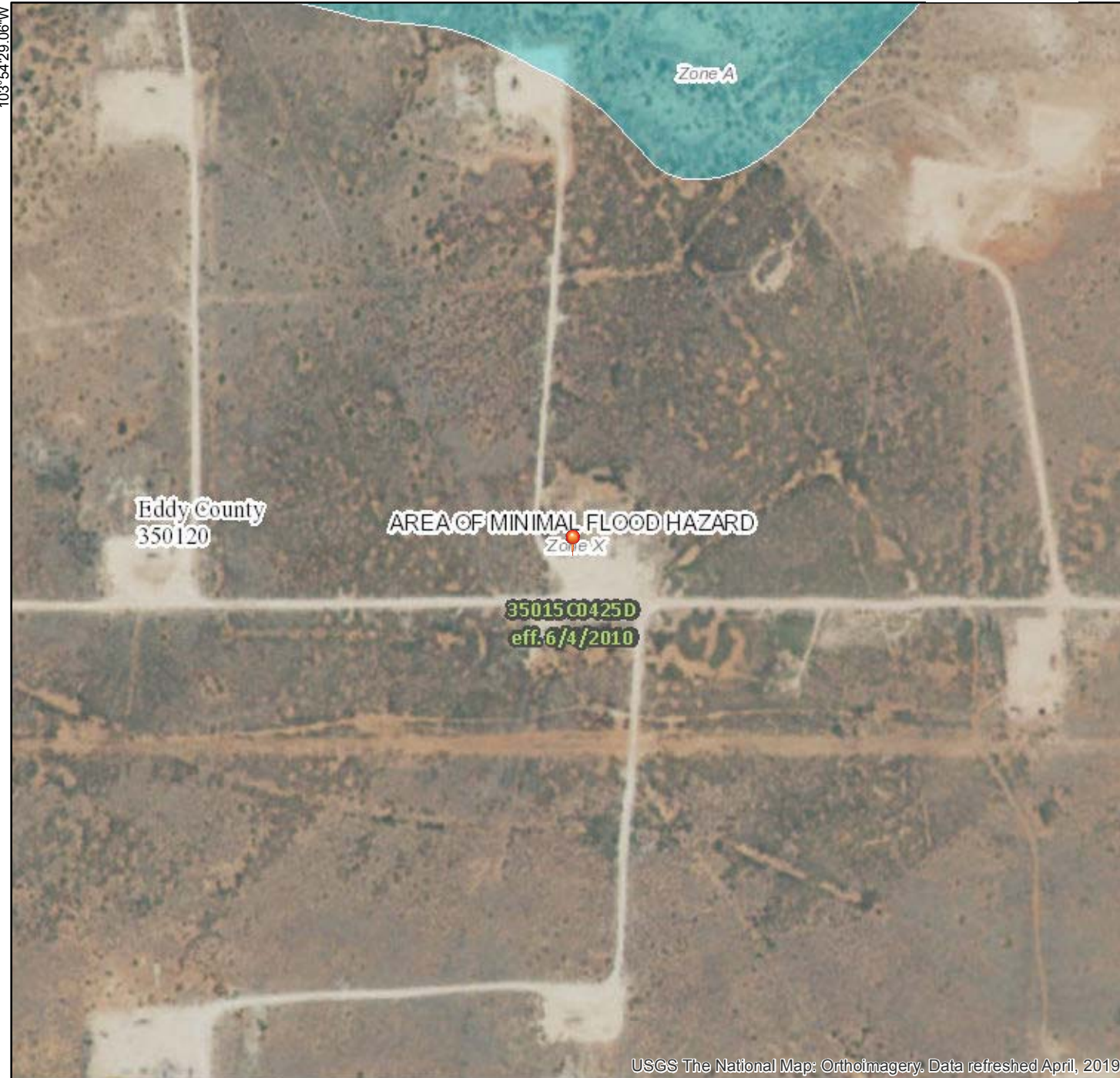
- Legend**
-  Leak Area
 -  Low Potential



National Flood Hazard Layer FIRMette



32°46'31.16"N



USGS The National Map: Orthoimagery. Data refreshed April, 2019.

0 250 500 1,000 1,500 2,000 Feet 1:6,000

32°46'0.90"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/10/2019 at 2:22:24 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Laboratory Analytical Results Summary
Oxy, Neste 6 1 CTB 08-11-19

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	1/22/20	1/22/20	1/22/20	1/22/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	32.0	16.0	32.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	11.5	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'	SP1 @ 6'	SP1 @ 7'
Analyte	Method	Date	1/22/20	1/22/20	1/22/20	1/22/20	1/22/20	1/22/20	1/22/20	1/22/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		0.233	<0.050	0.402	<0.050	<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		0.082	<0.050	0.614	0.075	<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		2.95	0.758	13.6	1.34	<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		3.27	0.758	14.6	1.42	<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		48	64.0	144	160	160	112	80.0	128
GRO	TPH 8015M		<10.0	<10.0	115	18.4	<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		1940	26.9	404	174	29.3	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		181	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	n/a

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	1/22/20	1/22/20	1/22/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.175	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.054	<0.050	<0.050
Total Xylenes	BTEX 8021B		2.15	<0.150	<0.150
Total BTEX	BTEX 8021B		2.38	<0.300	<0.300
Chloride	SM4500Cl-B		32	48.0	48.0
GRO	TPH 8015M		10.2	<10.0	<10.0
DRO	TPH 8015M		1840	<10.0	<10.0
EXT DRO	TPH 8015M		212	<10.0	<10.0

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'	SP3 @ 7'	SP3 @ 8'	SP3 @ 9'	SP3 @ 10'	SP3 @ 11'	SP3 @ 12'
Analyte	Method	Date	1/22/20	1/22/20	1/22/20	1/22/20	1/22/20	1/22/20	1/22/20	1/23/20	1/23/20	1/23/20	1/23/20	1/23/20	1/23/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.200	<0.200	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		1.08	1.21	3.57	16.7	0.11	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		0.309	1.91	4.47	15.4	0.248	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		15.7	65.8	137	196	4.72	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		17.1	69.0	145	228	5.08	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		<16.0	16.0	16.0	32.0	48.0	32.0	48.0	16.0	48.0	32.0	64.0	<16.0	<16.0
GRO	TPH 8015M		146	958	1880	2110	59.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		31100	1330	2010	1750	183	<10.0	25.4	<10.0	<10.0	<10.0	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		3510	<10.0	20.1	10.8	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	n/a

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	1/23/20	1/23/20	1/23/20	1/23/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		0.225	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		32.0	48.0	16.0	32.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	1/23/20	1/23/20	1/23/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		0.321	0.221	n/a
Total BTEX	BTEX 8021B		0.321	<0.300	n/a
Chloride	SM4500Cl-B		16.0	16.0	80.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a



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

January 29, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NESTE 6 1 CTB 08-11-19

Enclosed are the results of analyses for samples received by the laboratory on 01/24/20 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: NORTH @ SURFACE (H000244-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2020	ND	1.83	91.3	2.00	16.5	
Toluene*	<0.050	0.050	01/27/2020	ND	1.78	89.1	2.00	17.3	
Ethylbenzene*	<0.050	0.050	01/27/2020	ND	1.77	88.7	2.00	17.2	
Total Xylenes*	<0.150	0.150	01/27/2020	ND	5.22	87.0	6.00	17.3	
Total BTEX	<0.300	0.300	01/27/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2020	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	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 98.6 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: EAST @ SURFACE (H000244-02)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29		
Toluene*	<0.050	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80		
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71		
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92		
Total BTX	<0.300	0.300	01/28/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/28/2020	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	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 76.8 % 41-142

Surrogate: 1-Chlorooctadecane 79.0 % 37.6-147

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Analytical Results For:

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

Received:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: WEST @ SURFACE (H000244-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	<0.050	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	0.217	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTEx	<0.300	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2020	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	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	11.5	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 100 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SOUTH @ SURFACE (H000244-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	<0.050	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTEx	<0.300	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2020	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	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 95.2 % 41-142

Surrogate: 1-Chlorooctadecane 98.0 % 37.6-147

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Analytical Results For:

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Received:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H000244-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	0.233	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	0.082	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	2.95	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTX	3.27	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/27/2020	ND	196	98.1	200	0.812		
DRO >C10-C28*	1940	10.0	01/27/2020	ND	209	105	200	1.39		
EXT DRO >C28-C36	181	10.0	01/27/2020	ND						

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 159 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 1' (H000244-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29		
Toluene*	<0.050	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80		
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71		
Total Xylenes*	0.758	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92		
Total BTEX	0.758	0.300	01/28/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/28/2020	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	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	26.9	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 94.1 % 41-142

Surrogate: 1-Chlorooctadecane 98.7 % 37.6-147

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Analytical Results For:

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

Received:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 2' (H000244-07)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	0.402	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	0.614	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	13.6	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTX	14.6	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 388 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/28/2020	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*	115	10.0	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	404	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 118 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 3' (H000244-08)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	<0.050	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	0.075	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	1.34	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTX	1.42	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 145 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/28/2020	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*	18.4	10.0	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	174	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 107 % 37.6-147

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Analytical Results For:

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Received:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 4' (H000244-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	<0.050	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTEx	<0.300	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/28/2020	ND	400	100	400	7.69	

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	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	29.3	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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

Analytical Results For:

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

Received:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 5' (H000244-10)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29		
Toluene*	<0.050	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80		
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71		
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92		
Total BTX	<0.300	0.300	01/28/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/28/2020	ND	400	100	400	7.69		

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	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 6' (H000244-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	<0.050	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTEx	<0.300	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/28/2020	ND	400	100	400	7.69	

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	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 110 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 7' (H000244-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	01/28/2020	ND	400	100	400	7.69		

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Analytical Results For:

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

Received:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H000244-13)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	0.175	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	0.054	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	2.15	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTX	2.38	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/28/2020	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.2	10.0	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	1840	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	212	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 95.7 % 41-142

Surrogate: 1-Chlorooctadecane 142 % 37.6-147

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Analytical Results For:

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

Received:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 1' (H000244-14)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	<0.050	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTX	<0.300	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2020	ND	400	100	400	7.69	

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	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 98.0 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 2' (H000244-15)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29		
Toluene*	<0.050	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80		
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71		
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92		
Total BTX	<0.300	0.300	01/28/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2020	ND	400	100	400	7.69	

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	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ SURFACE (H000244-16)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	1.08	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	0.309	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	15.7	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTX	17.1	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2020	ND	400	100	400	7.69		

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	146	50.0	01/28/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	31100	50.0	01/28/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	3510	50.0	01/28/2020	ND					

Surrogate: 1-Chlorooctane 126 % 41-142

Surrogate: 1-Chlorooctadecane 1080 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 1' (H000244-17)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	1.21	0.200	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	1.91	0.200	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	65.8	0.600	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTX	69.0	1.20	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 286 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2020	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	958	10.0	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	1330	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 222 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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Analytical Results For:

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

Received:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 2' (H000244-18)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	3.57	0.200	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	4.47	0.200	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	137	0.600	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTX	145	1.20	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 395 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2020	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1880	10.0	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	2010	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	20.1	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 201 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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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:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 3' (H000244-19)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	16.7	0.200	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	15.4	0.200	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	196	0.600	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTX	228	1.20	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 431 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2020	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2110	10.0	01/27/2020	ND	196	98.1	200	0.812	
DRO >C10-C28*	1750	10.0	01/27/2020	ND	209	105	200	1.39	
EXT DRO >C28-C36	10.8	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 294 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 4' (H000244-20)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	0.110	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	0.248	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	4.72	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTX	5.08	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 220 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2020	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	59.0	10.0	01/27/2020	ND	200	100	200	1.10	
DRO >C10-C28*	183	10.0	01/27/2020	ND	214	107	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 119 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 5' (H000244-21)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	<0.050	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTEx	<0.300	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2020	ND	400	100	400	7.69	

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	01/27/2020	ND	200	100	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	214	107	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 111 % 37.6-147

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Analytical Results For:

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

Received:	01/24/2020	Sampling Date:	01/22/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 6' (H000244-22)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.94	97.2	2.00	3.29	
Toluene*	<0.050	0.050	01/28/2020	ND	1.94	97.1	2.00	5.80	
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.88	94.0	2.00	6.71	
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.71	95.1	6.00	5.92	
Total BTEx	<0.300	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2020	ND	400	100	400	7.69	

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	01/27/2020	ND	200	100	200	1.10	
DRO >C10-C28*	25.4	10.0	01/27/2020	ND	214	107	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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Analytical Results For:

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

Received:	01/24/2020	Sampling Date:	01/23/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 7' (H000244-23)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2020	ND	1.89	94.4	2.00	13.4		
Toluene*	<0.050	0.050	01/28/2020	ND	1.84	92.0	2.00	13.7		
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.83	91.3	2.00	13.9		
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.36	89.4	6.00	14.1		
Total BTX	<0.300	0.300	01/28/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/28/2020	ND	400	100	400	7.69		

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	01/27/2020	ND	200	100	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/27/2020	ND	214	107	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	01/27/2020	ND					

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 110 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/23/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 8' (H000244-24)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.89	94.4	2.00	13.4	
Toluene*	<0.050	0.050	01/28/2020	ND	1.84	92.0	2.00	13.7	
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.83	91.3	2.00	13.9	
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.36	89.4	6.00	14.1	
Total BTX	<0.300	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2020	ND	400	100	400	7.69	

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	01/28/2020	ND	200	100	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/28/2020	ND	214	107	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	01/28/2020	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 110 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/23/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 9' (H000244-25)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.89	94.4	2.00	13.4	
Toluene*	<0.050	0.050	01/28/2020	ND	1.84	92.0	2.00	13.7	
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.83	91.3	2.00	13.9	
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.36	89.4	6.00	14.1	
Total BTX	<0.300	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2020	ND	400	100	400	7.69	

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	01/28/2020	ND	200	100	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/28/2020	ND	214	107	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	01/28/2020	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	01/24/2020	Sampling Date:	01/23/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 10' (H000244-26)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.89	94.4	2.00	13.4	
Toluene*	<0.050	0.050	01/28/2020	ND	1.84	92.0	2.00	13.7	
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.83	91.3	2.00	13.9	
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.36	89.4	6.00	14.1	
Total BTX	<0.300	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/28/2020	ND	400	100	400	7.69	

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	01/28/2020	ND	200	100	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/28/2020	ND	214	107	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	01/28/2020	ND					

Surrogate: 1-Chlorooctane 99.0 % 41-142

Surrogate: 1-Chlorooctadecane 107 % 37.6-147

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Analytical Results For:

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

Received:	01/24/2020	Sampling Date:	01/23/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 11' (H000244-27)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.89	94.4	2.00	13.4	
Toluene*	<0.050	0.050	01/28/2020	ND	1.84	92.0	2.00	13.7	
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.83	91.3	2.00	13.9	
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.36	89.4	6.00	14.1	
Total BTX	<0.300	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2020	ND	400	100	400	7.69		

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	01/28/2020	ND	200	100	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/28/2020	ND	214	107	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	01/28/2020	ND					

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/24/2020	Sampling Date:	01/23/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ 12' (H000244-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/28/2020	ND	400	100	400	7.69		

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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:	01/24/2020	Sampling Date:	01/23/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ SURFACE (H000244-29)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.89	94.4	2.00	13.4	
Toluene*	<0.050	0.050	01/28/2020	ND	1.84	92.0	2.00	13.7	
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.83	91.3	2.00	13.9	
Total Xylenes*	0.225	0.150	01/28/2020	ND	5.36	89.4	6.00	14.1	
Total BTX	<0.300	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/28/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2020	ND	200	100	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/28/2020	ND	214	107	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	01/28/2020	ND					

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 107 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/23/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ 1' (H000244-30)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2020	ND	1.89	94.4	2.00	13.4	
Toluene*	<0.050	0.050	01/28/2020	ND	1.84	92.0	2.00	13.7	
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.83	91.3	2.00	13.9	
Total Xylenes*	<0.150	0.150	01/28/2020	ND	5.36	89.4	6.00	14.1	
Total BTX	<0.300	0.300	01/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2020	ND	200	100	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/28/2020	ND	214	107	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	01/28/2020	ND					

Surrogate: 1-Chlorooctane 93.8 % 41-142

Surrogate: 1-Chlorooctadecane 99.3 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/23/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 4 @ 2' (H000244-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/28/2020	ND	416	104	400	0.00		

Sample ID: SP 4 @ 3' (H000244-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2020	ND	416	104	400	0.00	

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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:	01/24/2020	Sampling Date:	01/23/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ SURFACE (H000244-33)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2020	ND	1.89	94.4	2.00	13.4		
Toluene*	<0.050	0.050	01/28/2020	ND	1.84	92.0	2.00	13.7		
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.83	91.3	2.00	13.9		
Total Xylenes*	0.321	0.150	01/28/2020	ND	5.36	89.4	6.00	14.1		
Total BTEX	0.321	0.300	01/28/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2020	ND	200	100	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/28/2020	ND	214	107	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	01/28/2020	ND					

Surrogate: 1-Chlorooctane 90.0 % 41-142

Surrogate: 1-Chlorooctadecane 93.9 % 37.6-147

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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:	01/24/2020	Sampling Date:	01/23/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ 1' (H000244-34)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2020	ND	1.89	94.4	2.00	13.4		
Toluene*	<0.050	0.050	01/28/2020	ND	1.84	92.0	2.00	13.7		
Ethylbenzene*	<0.050	0.050	01/28/2020	ND	1.83	91.3	2.00	13.9		
Total Xylenes*	0.221	0.150	01/28/2020	ND	5.36	89.4	6.00	14.1		
Total BTX	<0.300	0.300	01/28/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/28/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2020	ND	200	100	200	1.10	
DRO >C10-C28*	<10.0	10.0	01/28/2020	ND	214	107	200	0.308	
EXT DRO >C28-C36	<10.0	10.0	01/28/2020	ND					

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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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:	01/24/2020	Sampling Date:	01/23/2020
Reported:	01/29/2020	Sampling Type:	Soil
Project Name:	NESTE 6 1 CTB 08-11-19	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 @ 2' (H000244-35)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/28/2020	ND	416	104	400	0.00		

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

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

1064

Company Name: BBC International, Inc.				BILL TO										ANALYSIS REQUEST									
Project Manager: Cliff Brunson				P.O. #:										<div style="display: flex; flex-direction: column; align-items: center;"> <div>01</div> <div>BTEX</div> <div>TPH EXT</div> </div>									
Address: P.O. Box 805				Company: <i>Oxy</i>																			
City: Hobbs State: NM Zip: 88241				Attn: <i>Wade</i>																			
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																			
Project #: Project Owner: Oxy				City:																			
Project Name: Neste 6 1 CTB 08-11-19				State: Zip:																			
Project Location: Eddy County, NM				Phone #:																			
Sampler Name: Simon Rendon				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.	Sample I.D.	GRAB OR (COMP. # CONTAINERS)	MATRIX	PRESERV.	SAMPLING																		
			GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	ACID/BASE: ICE / COOL OTHER :	DATE	TIME																	
<i>H000244</i>																							
1	North @ Surface	9			1-22-20	9:00 AM	✓	✓	✓														
2	East @ Surface				1-22-20	9:10 AM	✓	✓	✓														
3	West @ Surface				1-22-20	9:25 AM	✓	✓	✓														
4	<i>South @ Surface</i>				1-22-20	9:40 AM	✓	✓	✓														
5	<i>SP1 @ Surface</i>				1-22-20	9:55 AM	✓	✓	✓														
6	SP1 @ 1'				1-22-20	10:10 AM	✓	✓	✓														
7	SP1 @ 2'				1-22-20	10:21 AM	✓	✓	✓														
8	SP1 @ 3'				1-22-20	10:30 AM	✓	✓	✓														
9	SP1 @ 4'				1-22-20	10:45 AM	✓	✓	✓														
10	SP1 @ 5'	✓	✓	✓	1-22-20	11:05 AM	✓	✓	✓														

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Relinquished By:	Date: <i>1-23-20</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Simon Rendon</i>	Time: <i>5:00pm</i>	<i>Israel Pena</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: <i>1-24-20</i>	Received By:	REMARKS:	
<i>Israel Pena</i>	Time: <i>8:00pm</i>	<i>Samara Rendon</i>		
Delivered By: (Circle One)	Time: <i>11:40</i>	Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:	<i>2.7c #113</i>	Cool Intact	<i>TO</i>	
		<input type="checkbox"/> Yes <input type="checkbox"/> No		

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 4

[illegible]

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3 of 4

[illegible]

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Relinquished By:				Date:		Received By:		Phone Result:		Add'l Phone #:	
Simon Rendón				1-23-20		Israel Lara		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Relinquished By:				Time: 6:00 pm		Received By:		Fax Result:		Add'l Fax #:	
Israel Lara				1-24-20		Samara Placido		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Delivered By: (Circle One)				Time: 2:40		Sample Condition		CHECKED BY:		REMARKS:	
Sampler - UPS - Bus - Other:				2.7°C #143		Cool Intact		(Initials)			
						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No		T.O.			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Relinquished By:		Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Simon Kember		Time:	Isaiah Kember	Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:		
Isaiah Kember		Time:	Isaiah Kember			
Delivered By: (Circle One)		Date:	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:		Time:	Cool Intact	(Initials)		
2.7°C #113		1640	<input type="checkbox"/> Yes <input type="checkbox"/> No	T.O.		

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