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DELINEATION WORKPLAN

OXY – CORRAL FLY 2 1 STATE 23H (Leak Date: 6/8/18)

RP # 2RP-4808

This delineation workplan and remediation proposal addresses the releases associated with RP # 2RP-4808.

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 – SP6 and SP9 (PURPLE shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP7 and SP8 (GREEN shade on diagram) will be excavated to a depth of 6 inches.

Bottom confirmation samples will be collected at no greater than 50 ft. intervals. Estimated volume of material to be removed is 758 cubic yards. The remediation will be completed within 90 days of plan 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

State of New Mexico
Oil Conservation Division

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Incident ID	
District RP	2RP-4808
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?	98 (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 checked="" type="checkbox"/> Yes <input 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 ½-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.

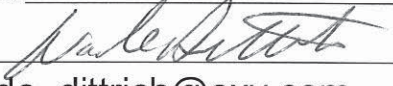
Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	
District RP	2RP-4808
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 Coordinator
Signature:  Date: 2/9/19
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

Form C-141

State of New Mexico
Oil Conservation Division

Page 5

Incident ID	
District RP	2RP-4808
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: 2-19-19
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

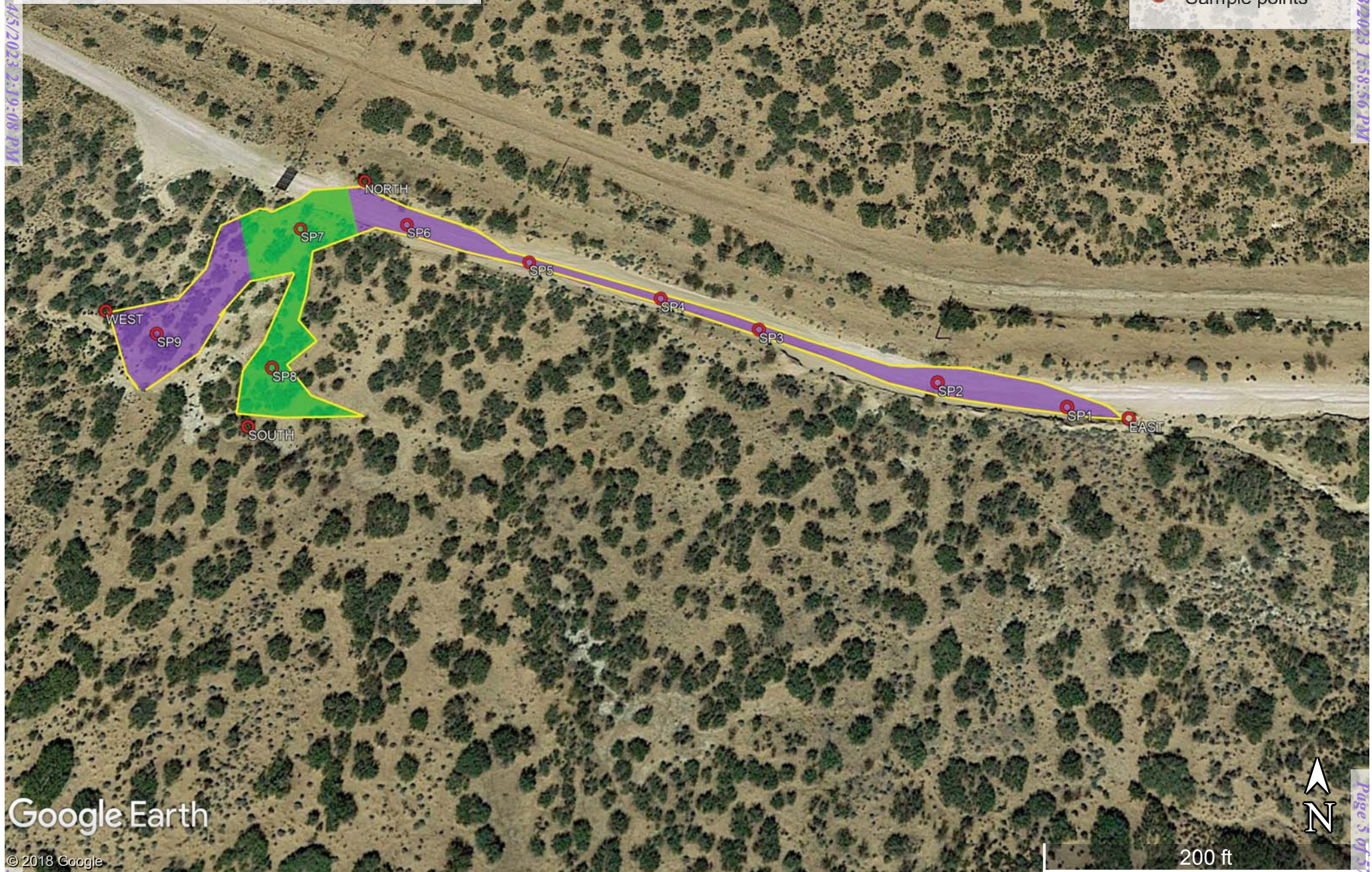
☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature:  Date: 4/5/2023

Oxy, Corral Fly 2 1 State 23H

Leak date: 6/8/18
Eddy County, NM
API# 30-015-44509
2RP-4808

- Legend**
- 6 inch Excavation
 - 1 ft Excavation
 - Leak Area
 - Sample points



Google Earth

© 2018 Google

Oxy, Corral Fly 2 1 State 23H

Leak date: 6/8/18
Eddy County, NM
2RP-4808

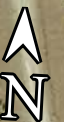
Aerial drone picture taken 2/12/19 to show new location that does not exist in the current Google Earth Image.

Legend

- 20-JUN-18
- ACTIVE LOG 001

Google Earth

600 ft



WORLD-WIDE ENVIRONMENTAL SPECIALISTS



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805

New Mexico State Land Office

Revegetation and Noxious Weed Management Plan

OXY – Corral Fly 2 1 State 23H

Revegetation Plan

Disturbed areas associated with the remediation efforts will be reseeded. If after one growing season, the vegetation has not taken hold, seeding may need to be repeated until revegetation is successful, as determined by the State Land Office. The seed will be spread by either using a hand-held broadcaster or tractor-mounted broadcaster and the area will be raked or dragged to cover the seed. If the seed will be broadcast, the pounds per acre will be double over the amount used by drill planting.

The seed mixture will be the appropriate mixture for the specific site and planted in the required amounts of pounds pure live seed (PLS) per acre. Commercially sold seed will be either certified or registered and will not contain primary or secondary noxious weeds.

Grasses:

Sand bluestem	Elida, VNS, So.	4.0	F
Sideoats grama	Vaughn, El Reno	4.0	F
Little bluestem	Cimarron, Pastura	3.0	F
Plains bristlegrass	VNS, Southern	1.0	D
Sand dropseed	VNS, Southern	2.0	S
Blue grama	Lovington	1.0	D

Forbs:

Firewheel (Gaillardia)	VNS, Southern	1.0	D
Annual Sunflower	VNS, Southern	0.5	D
Prairie Conflower	VNS, Southern	0.5	D

Total PLS/acre 17

Noxious Weed Management Plan

The site will be visited to assess the establishment of vegetative growth. Personnel performing the site visit will also look for the presence of noxious weeds at the site as indicated on the New Mexico Noxious Weeds List specified on the United States Department of Agriculture website. If a noxious weed is observed at the site, the NMSLO will be contacted to determine the most effective manner to eradicate it.

Oxy, Corral Fly 2 1 State 23H

Sample points

SP1, N 32.16527 W-103.95892

SP2, N 32.16533 W-103.95921

SP3, N 32.16545 W-103.95963

SP4, N 32.16553 W-103.95987

SP5, N 32.16562 W-103.96019

SP6, N 32.16572 W-103.96050

SP7, N 32.16571 W-103.96077

SP8, N 32.16538 W-103.96079

SP9, N 32.16546 W-103.96109

NORTH, N 32.16583 W-103.96062

SOUTH, N 32.16525 W-103.96083

EAST, N 32.16525 W-103.95878

WEST, N 32.16551 W-103.96122

Oxy, Corral Fly 2 1 State 23H
U/L C, Section 2, T25S, R29E
Groundwater: 125'





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

- [Please see news on new formats](#)
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320956103574301

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

USGS 320956103574301 25S.29E.02.11111

Eddy County, New Mexico
Latitude 32°09'56", Longitude 103°57'43" NAD27
Land-surface elevation 3,000 feet above NAVD88
The depth of the well is 140 feet below land surface.
This well is completed in the Rustler Formation (312RSLR) 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 measurement
1958-10-23		D	98.10			2		U		

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
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.

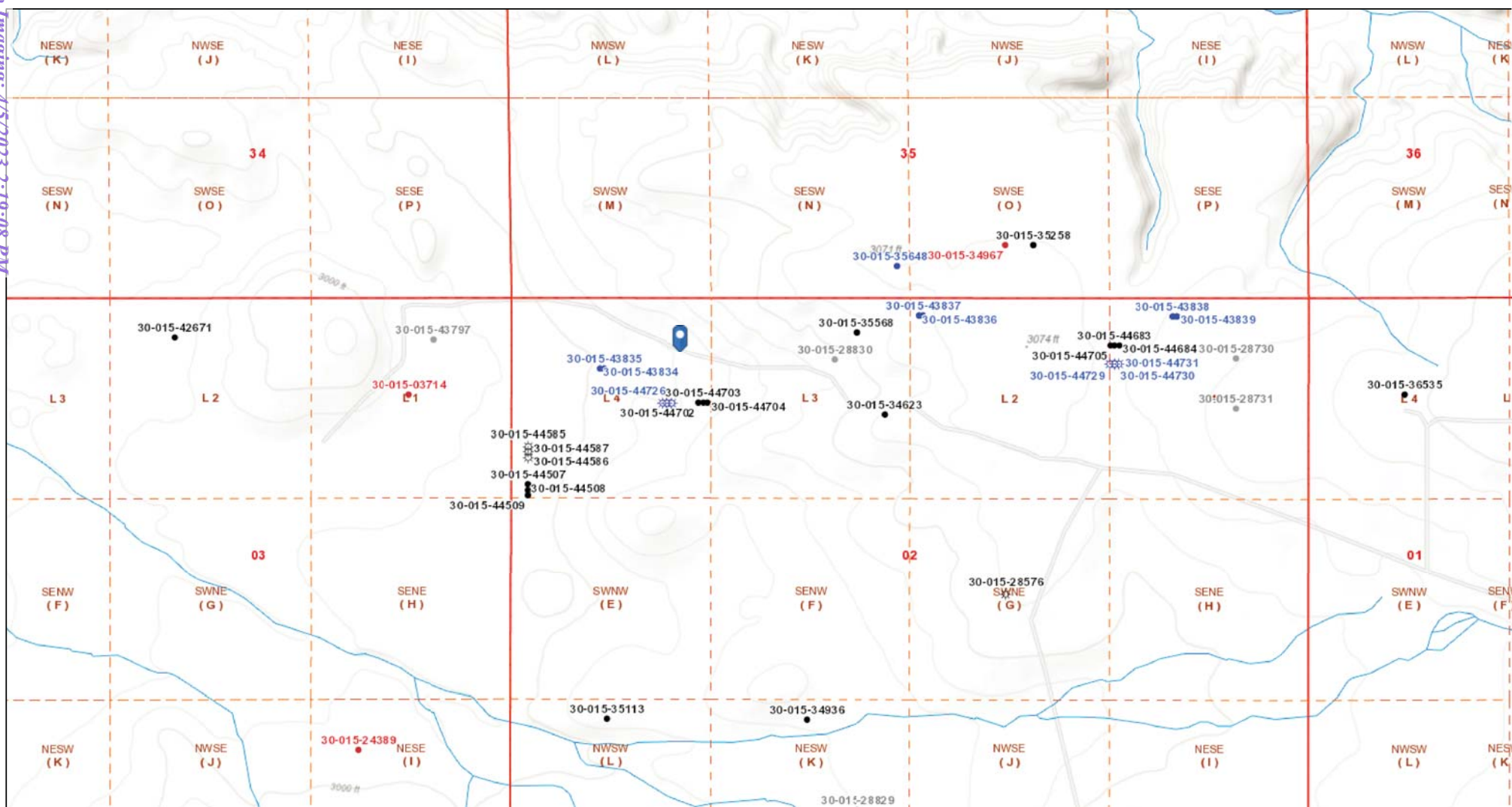
- [Questions about sites/data?](#)
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[Subscribe for system changes](#)[News](#)[Accessibility](#)[Plug-Ins](#)[FOIA](#)[Privacy](#)[Policies and Notices](#)[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)**Title: Groundwater for New Mexico: Water Levels****URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2019-02-06 17:26:59 EST

35.09 0.43 nadww01

Corral Fly 2 1 State 23H, Topo Map with Water Features



2/6/2019 3:24:09 PM

Well Locations - Small Scale

- Active
- New
- Plugged
- Cancelled
- Temporarily Abandoned

Well Locations - Large Scale

- Miscellaneous
- CO2 Active
- CO2 Cancelled
- CO2 New
- CO2 Plugged
- CO2 Temporarily Abandoned

Gas Active

- Gas, Cancelled, Never Drilled
- Gas, New
- Gas, Plugged
- Gas, Temporarily Abandoned
- Injection, Active

Injection, Cancelled

- Injection, New
- Injection, Plugged
- Injection, Temporarily Abandoned
- Oil, Active
- Oil, Cancelled

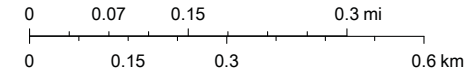
Oil, New

- Oil, Plugged
- Oil, Temporarily Abandoned
- Salt Water Injection, Active
- Salt Water Injection, Cancelled
- Salt Water Injection, New

Salt Water Injection, Plugged

- Salt Water Injection Temporarily Abandoned
- Water, Active
- Water, Cancelled
- Water, New
- Water, Plugged

1:9,028




Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, OCD, BLM


Oxy, Corral Fly 2 1 State 23H


Leak date: 6/8/18
ddy County, NM
PI# 30-015-44509

BLM CAVE KARST MAP

Legend

 Leak Area

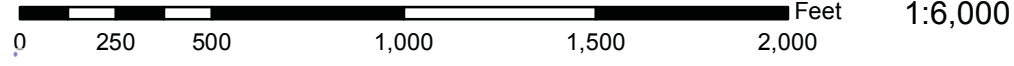
 Low potential

 Medium potential

National Flood Hazard Layer FIRMette



32°10'11.28"N



USGS The National Map: Orthoimagery. Data refreshed October, 2017.

32°9'40.82"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
OTHER AREAS OF FLOOD HAZARD		Regulatory Floodway
		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
		Future Conditions 1% Annual Chance Flood Hazard
		Area with Reduced Flood Risk due to Levee. See Notes.
OTHER AREAS		Area with Flood Risk due to Levee
		NO SCREEN Area of Minimal Flood Hazard
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		Hydrographic Feature
		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 2/6/2019 at 5:38:52 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.

Released for Imaging: 4/5/2023 2:19:08 PM
M16195125000

Received by OCD: 4/8/2023 1:58:56 PM

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Laboratory Analytical Results Summary
Corral Fly 2 1 State 23H (6/8/18)

		Sample ID	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'	SP1 @ 6'
Analyte	Method	Date	2/5/19	2/5/19	2/5/19	2/5/19	2/5/19	2/5/19	2/5/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		7600	1640	1380	1410	512	32	48
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a

		Sample ID	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'	SP2 @ 6'
Analyte	Method	Date	2/5/19	2/5/19	2/5/19	2/5/19	2/5/19	2/5/19	2/5/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		7120	1140	1220	1390	528	48	64
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		12.7	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a

		Sample ID	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'
Analyte	Method	Date	2/5/19	2/5/19	2/5/19	2/5/19	2/5/19	2/5/19	2/5/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		8480	976	896	1220	592	128	160
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a

		Sample ID	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'	SP4 @ 6'
Analyte	Method	Date	2/5/19	2/5/19	2/5/19	2/5/19	2/5/19	2/5/19	2/5/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		6800	1040	1390	1250	528	48	64
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		16.8	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a

Laboratory Analytical Results Summary
Corral Fly 2 1 State 23H (6/8/18)

		Sample ID	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'
Analyte	Method	Date	2/5/19	2/5/19	2/5/19	2/5/19	2/5/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		6930	1250	784	80	112
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		14.6	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

		Sample ID	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'
Analyte	Method	Date	2/6/19	2/6/19	2/6/19	2/6/19	2/6/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		7060	592	48	32	48
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	25.1	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a

		Sample ID	SP7 @ SURFACE	SP7 @ 1'	SP7 @ 2'
Analyte	Method	Date	2/6/19	2/6/19	2/6/19
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		720	48	32
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		39.1	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP8 @ SURFACE	SP8 @ 1'	SP8 @ 2'
Analyte	Method	Date	2/6/19	2/6/19	2/6/19
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		672	48	48
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

Laboratory Analytical Results Summary
Corral Fly 2 1 State 23H (6/8/18)

		Sample ID	SP9 @ SURFACE	SP9 @ 1'	SP9 @ 2'	SP9 @ 3'	SP9 @ 4'	SP9 @ 5'	SP9 @ 6'
Analyte	Method	Date	2/6/19	2/6/19	2/6/19	2/6/19	2/6/19	2/6/19	2/6/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		3600	384	480	1170	528	48	48
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		343	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		38.4	<10.0	n/a	n/a	n/a	n/a	n/a

		Sample ID	NORTH @ SURFACE	EAST @ SURFACE	WEST @ SURFACE	SOUTH @ SURFACE
Analyte	Method	Date	2/6/19	2/6/19	2/6/19	2/6/19
			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		48	16	48	64
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0



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

February 14, 2019

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CORRAL FLY 2-1 STATE #23H

Enclosed are the results of analyses for samples received by the laboratory on 02/08/19 9:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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, flowing style.

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:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 1 @ SURFACE (H900505-01)

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	02/12/2019	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	02/12/2019	ND	2.15	107	2.00	3.30	
Ethylbenzene*	<0.050	0.050	02/12/2019	ND	2.12	106	2.00	0.511	
Total Xylenes*	<0.150	0.150	02/12/2019	ND	6.07	101	6.00	1.88	
Total BTEX	<0.300	0.300	02/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 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	7600	16.0	02/14/2019	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	02/11/2019	ND	197	98.5	200	4.47	
DRO >C10-C28*	<10.0	10.0	02/11/2019	ND	197	98.5	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/11/2019	ND					

Surrogate: 1-Chlorooctane 72.2 % 41-142

Surrogate: 1-Chlorooctadecane 72.4 % 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:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 1 @ 1' (H900505-02)

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	02/12/2019	ND	2.07	103	2.00	2.47		
Toluene*	<0.050	0.050	02/12/2019	ND	2.15	107	2.00	3.30		
Ethylbenzene*	<0.050	0.050	02/12/2019	ND	2.12	106	2.00	0.511		
Total Xylenes*	<0.150	0.150	02/12/2019	ND	6.07	101	6.00	1.88		
Total BTEX	<0.300	0.300	02/12/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 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	1640	16.0	02/14/2019	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	02/11/2019	ND	197	98.5	200	4.47	
DRO >C10-C28*	<10.0	10.0	02/11/2019	ND	197	98.5	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/11/2019	ND					

Surrogate: 1-Chlorooctane 79.5 % 41-142

Surrogate: 1-Chlorooctadecane 79.6 % 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:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 1 @ 2' (H900505-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1380	16.0	02/14/2019	ND	416	104	400	0.00		

Sample ID: SP 1 @ 3' (H900505-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1410	16.0	02/14/2019	ND	416	104	400	0.00		

Sample ID: SP 1 @ 4' (H900505-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	02/14/2019	ND	416	104	400	0.00		

Sample ID: SP 1 @ 5' (H900505-06)

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	02/14/2019	ND	416	104	400	0.00	

Sample ID: SP 1 @ 6' (H900505-07)

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	02/14/2019	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Cliff Brunson
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Received:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 2 @ SURFACE (H900505-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2019	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	02/12/2019	ND	2.15	107	2.00	3.30	
Ethylbenzene*	<0.050	0.050	02/12/2019	ND	2.12	106	2.00	0.511	
Total Xylenes*	<0.150	0.150	02/12/2019	ND	6.07	101	6.00	1.88	
Total BTEx	<0.300	0.300	02/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 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	7120	16.0	02/14/2019	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	02/11/2019	ND	197	98.5	200	4.47	
DRO >C10-C28*	12.7	10.0	02/11/2019	ND	197	98.5	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/11/2019	ND					

Surrogate: 1-Chlorooctane 94.7 % 41-142

Surrogate: 1-Chlorooctadecane 94.6 % 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:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 2 @ 1' (H900505-09)

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	02/12/2019	ND	2.07	103	2.00	2.47		
Toluene*	<0.050	0.050	02/12/2019	ND	2.15	107	2.00	3.30		
Ethylbenzene*	<0.050	0.050	02/12/2019	ND	2.12	106	2.00	0.511		
Total Xylenes*	<0.150	0.150	02/12/2019	ND	6.07	101	6.00	1.88		
Total BTEx	<0.300	0.300	02/12/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 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	1140	16.0	02/14/2019	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	02/11/2019	ND	197	98.5	200	4.47	
DRO >C10-C28*	<10.0	10.0	02/11/2019	ND	197	98.5	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/11/2019	ND					

Surrogate: 1-Chlorooctane 82.5 % 41-142

Surrogate: 1-Chlorooctadecane 82.4 % 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:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 2 @ 2' (H900505-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	02/14/2019	ND	416	104	400	0.00		

Sample ID: SP 2 @ 3' (H900505-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1390	16.0	02/14/2019	ND	416	104	400	0.00		

Sample ID: SP 2 @ 4' (H900505-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	02/14/2019	ND	416	104	400	0.00		

Sample ID: SP 2 @ 5' (H900505-13)

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	02/14/2019	ND	416	104	400	0.00	

Sample ID: SP 2 @ 6' (H900505-14)

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	02/14/2019	ND	416	104	400	0.00	

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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:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 3 @ SURFACE (H900505-15)

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	02/12/2019	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	02/12/2019	ND	2.15	107	2.00	3.30	
Ethylbenzene*	<0.050	0.050	02/12/2019	ND	2.12	106	2.00	0.511	
Total Xylenes*	<0.150	0.150	02/12/2019	ND	6.07	101	6.00	1.88	
Total BTX	<0.300	0.300	02/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.9 % 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	8480	16.0	02/14/2019	ND	432	108	400	0.00	QM-07	

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	02/11/2019	ND	197	98.5	200	4.47	
DRO >C10-C28*	<10.0	10.0	02/11/2019	ND	197	98.5	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/11/2019	ND					

Surrogate: 1-Chlorooctane 71.1 % 41-142

Surrogate: 1-Chlorooctadecane 71.3 % 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:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 3 @ 1' (H900505-16)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2019	ND	2.07	103	2.00	2.47		
Toluene*	<0.050	0.050	02/12/2019	ND	2.15	107	2.00	3.30		
Ethylbenzene*	<0.050	0.050	02/12/2019	ND	2.12	106	2.00	0.511		
Total Xylenes*	<0.150	0.150	02/12/2019	ND	6.07	101	6.00	1.88		
Total BTEX	<0.300	0.300	02/12/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	976	16.0	02/14/2019	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	02/11/2019	ND	197	98.5	200	4.47	
DRO >C10-C28*	<10.0	10.0	02/11/2019	ND	197	98.5	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/11/2019	ND					

Surrogate: 1-Chlorooctane 76.3 % 41-142

Surrogate: 1-Chlorooctadecane 75.8 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 3 @ 2' (H900505-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	02/14/2019	ND	432	108	400	0.00		

Sample ID: SP 3 @ 3' (H900505-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	02/14/2019	ND	432	108	400	0.00		

Sample ID: SP 3 @ 4' (H900505-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	02/14/2019	ND	432	108	400	0.00		

Sample ID: SP 3 @ 5' (H900505-20)

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	02/14/2019	ND	432	108	400	0.00	

Sample ID: SP 3 @ 6' (H900505-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/14/2019	ND	432	108	400	0.00		

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 4 @ SURFACE (H900505-22)

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	02/12/2019	ND	2.07	103	2.00	2.47		
Toluene*	<0.050	0.050	02/12/2019	ND	2.15	107	2.00	3.30		
Ethylbenzene*	<0.050	0.050	02/12/2019	ND	2.12	106	2.00	0.511		
Total Xylenes*	<0.150	0.150	02/12/2019	ND	6.07	101	6.00	1.88		
Total BTEX	<0.300	0.300	02/12/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 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	6800	16.0	02/14/2019	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	02/11/2019	ND	197	98.5	200	4.47	
DRO >C10-C28*	16.8	10.0	02/11/2019	ND	197	98.5	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/11/2019	ND					

Surrogate: 1-Chlorooctane 73.4 % 41-142

Surrogate: 1-Chlorooctadecane 76.0 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 4 @ 1' (H900505-23)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2019	ND	2.07	103	2.00	2.47		
Toluene*	<0.050	0.050	02/12/2019	ND	2.15	107	2.00	3.30		
Ethylbenzene*	<0.050	0.050	02/12/2019	ND	2.12	106	2.00	0.511		
Total Xylenes*	<0.150	0.150	02/12/2019	ND	6.07	101	6.00	1.88		
Total BTEX	<0.300	0.300	02/12/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 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	1040	16.0	02/14/2019	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	02/11/2019	ND	197	98.5	200	4.47	
DRO >C10-C28*	<10.0	10.0	02/11/2019	ND	197	98.5	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/11/2019	ND					

Surrogate: 1-Chlorooctane 79.2 % 41-142

Surrogate: 1-Chlorooctadecane 81.0 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 4 @ 2' (H900505-24)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1390	16.0	02/14/2019	ND	432	108	400	0.00		

Sample ID: SP 4 @ 3' (H900505-25)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	02/14/2019	ND	432	108	400	0.00		

Sample ID: SP 4 @ 4' (H900505-26)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	02/14/2019	ND	432	108	400	0.00		

Sample ID: SP 4 @ 5' (H900505-27)

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	02/14/2019	ND	432	108	400	0.00		

Sample ID: SP 4 @ 6' (H900505-28)

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	02/14/2019	ND	432	108	400	0.00	

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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:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 5 @ SURFACE (H900505-29)

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	02/12/2019	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	02/12/2019	ND	2.15	107	2.00	3.30	
Ethylbenzene*	<0.050	0.050	02/12/2019	ND	2.12	106	2.00	0.511	
Total Xylenes*	<0.150	0.150	02/12/2019	ND	6.07	101	6.00	1.88	
Total BTX	<0.300	0.300	02/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	6930	16.0	02/14/2019	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	02/11/2019	ND	197	98.5	200	4.47	
DRO >C10-C28*	14.6	10.0	02/11/2019	ND	197	98.5	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/11/2019	ND					

Surrogate: 1-Chlorooctane 71.8 % 41-142

Surrogate: 1-Chlorooctadecane 73.0 % 37.6-147

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Analytical Results For:

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

Received:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 5 @ 1' (H900505-30)

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	02/12/2019	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	02/12/2019	ND	2.15	107	2.00	3.30	
Ethylbenzene*	<0.050	0.050	02/12/2019	ND	2.12	106	2.00	0.511	
Total Xylenes*	<0.150	0.150	02/12/2019	ND	6.07	101	6.00	1.88	
Total BTEX	<0.300	0.300	02/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.6 % 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	1250	16.0	02/14/2019	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	02/11/2019	ND	197	98.5	200	4.47	
DRO >C10-C28*	<10.0	10.0	02/11/2019	ND	197	98.5	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/11/2019	ND					

Surrogate: 1-Chlorooctane 75.2 % 41-142

Surrogate: 1-Chlorooctadecane 77.1 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/08/2019	Sampling Date:	02/05/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 5 @ 2' (H900505-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	02/14/2019	ND	432	108	400	0.00	

Sample ID: SP 5 @ 3' (H900505-32)

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	02/14/2019	ND	432	108	400	0.00	

Sample ID: SP 5 @ 4' (H900505-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/14/2019	ND	432	108	400	0.00	

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 6 @ SURFACE (H900505-34)

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	02/12/2019	ND	2.07	103	2.00	2.47		
Toluene*	<0.050	0.050	02/12/2019	ND	2.15	107	2.00	3.30		
Ethylbenzene*	<0.050	0.050	02/12/2019	ND	2.12	106	2.00	0.511		
Total Xylenes*	<0.150	0.150	02/12/2019	ND	6.07	101	6.00	1.88		
Total BTEx	<0.300	0.300	02/12/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 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	7060	16.0	02/14/2019	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	02/11/2019	ND	197	98.5	200	4.47	
DRO >C10-C28*	<10.0	10.0	02/11/2019	ND	197	98.5	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/11/2019	ND					

Surrogate: 1-Chlorooctane 73.6 % 41-142

Surrogate: 1-Chlorooctadecane 73.5 % 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:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 6 @ 1' (H900505-35)

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	02/12/2019	ND	2.07	103	2.00	2.47		
Toluene*	<0.050	0.050	02/12/2019	ND	2.15	107	2.00	3.30		
Ethylbenzene*	<0.050	0.050	02/12/2019	ND	2.12	106	2.00	0.511		
Total Xylenes*	<0.150	0.150	02/12/2019	ND	6.07	101	6.00	1.88		
Total BTEx	<0.300	0.300	02/12/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 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	592	16.0	02/14/2019	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	02/11/2019	ND	197	98.5	200	4.47	
DRO >C10-C28*	25.1	10.0	02/11/2019	ND	197	98.5	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/11/2019	ND					

Surrogate: 1-Chlorooctane 43.6 % 41-142

Surrogate: 1-Chlorooctadecane 43.9 % 37.6-147

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Analytical Results For:

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

Received:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 6 @ 2' (H900505-36)

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	02/14/2019	ND	416	104	400	0.00		

Sample ID: SP 6 @ 3' (H900505-37)

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	02/14/2019	ND	416	104	400	0.00	

Sample ID: SP 6 @ 4' (H900505-38)

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	02/14/2019	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:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 7 @ SURFACE (H900505-39)

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	02/12/2019	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	02/12/2019	ND	2.15	107	2.00	3.30	
Ethylbenzene*	<0.050	0.050	02/12/2019	ND	2.12	106	2.00	0.511	
Total Xylenes*	<0.150	0.150	02/12/2019	ND	6.07	101	6.00	1.88	
Total BTEx	<0.300	0.300	02/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 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	720	16.0	02/14/2019	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	02/11/2019	ND	197	98.5	200	4.47	
DRO >C10-C28*	39.1	10.0	02/11/2019	ND	197	98.5	200	4.09	
EXT DRO >C28-C36	<10.0	10.0	02/11/2019	ND					

Surrogate: 1-Chlorooctane 73.5 % 41-142

Surrogate: 1-Chlorooctadecane 74.0 % 37.6-147

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Analytical Results For:

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Received:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 7 @ 1' (H900505-40)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2019	ND	2.07	103	2.00	2.47	
Toluene*	<0.050	0.050	02/12/2019	ND	2.15	107	2.00	3.30	
Ethylbenzene*	<0.050	0.050	02/12/2019	ND	2.12	106	2.00	0.511	
Total Xylenes*	<0.150	0.150	02/12/2019	ND	6.07	101	6.00	1.88	
Total BTEx	<0.300	0.300	02/12/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.8 % 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	02/14/2019	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	02/12/2019	ND	180	90.2	200	5.40	
DRO >C10-C28*	<10.0	10.0	02/12/2019	ND	192	96.0	200	0.186	
EXT DRO >C28-C36	<10.0	10.0	02/12/2019	ND					

Surrogate: 1-Chlorooctane 80.3 % 41-142

Surrogate: 1-Chlorooctadecane 79.9 % 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:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 7 @ 2' (H900505-41)

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	02/14/2019	ND	416	104	400	0.00		

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Received:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 8 @ SURFACE (H900505-42)

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	02/11/2019	ND	2.28	114	2.00	2.57		
Toluene*	<0.050	0.050	02/11/2019	ND	2.15	107	2.00	1.80		
Ethylbenzene*	<0.050	0.050	02/11/2019	ND	2.10	105	2.00	2.45		
Total Xylenes*	<0.150	0.150	02/11/2019	ND	6.27	105	6.00	1.84		
Total BTEx	<0.300	0.300	02/11/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	672	16.0	02/14/2019	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	02/12/2019	ND	180	90.2	200	5.40	
DRO >C10-C28*	<10.0	10.0	02/12/2019	ND	192	96.0	200	0.186	
EXT DRO >C28-C36	<10.0	10.0	02/12/2019	ND					

Surrogate: 1-Chlorooctane 43.3 % 41-142

Surrogate: 1-Chlorooctadecane 42.0 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 8 @ 1' (H900505-43)

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	02/11/2019	ND	2.28	114	2.00	2.57	
Toluene*	<0.050	0.050	02/11/2019	ND	2.15	107	2.00	1.80	
Ethylbenzene*	<0.050	0.050	02/11/2019	ND	2.10	105	2.00	2.45	
Total Xylenes*	<0.150	0.150	02/11/2019	ND	6.27	105	6.00	1.84	
Total BTEX	<0.300	0.300	02/11/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	02/14/2019	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	02/12/2019	ND	180	90.2	200	5.40	
DRO >C10-C28*	<10.0	10.0	02/12/2019	ND	192	96.0	200	0.186	
EXT DRO >C28-C36	<10.0	10.0	02/12/2019	ND					

Surrogate: 1-Chlorooctane 77.2 % 41-142

Surrogate: 1-Chlorooctadecane 77.2 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 8 @ 2' (H900505-44)

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	02/14/2019	ND	416	104	400	0.00		

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Received:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 9 @ SURFACE (H900505-45)

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	02/11/2019	ND	2.28	114	2.00	2.57	
Toluene*	<0.050	0.050	02/11/2019	ND	2.15	107	2.00	1.80	
Ethylbenzene*	<0.050	0.050	02/11/2019	ND	2.10	105	2.00	2.45	
Total Xylenes*	<0.150	0.150	02/11/2019	ND	6.27	105	6.00	1.84	
Total BTX	<0.300	0.300	02/11/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	3600	16.0	02/14/2019	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	02/12/2019	ND	180	90.2	200	5.40	
DRO >C10-C28*	343	10.0	02/12/2019	ND	192	96.0	200	0.186	
EXT DRO >C28-C36	38.4	10.0	02/12/2019	ND					

Surrogate: 1-Chlorooctane 67.3 % 41-142

Surrogate: 1-Chlorooctadecane 84.4 % 37.6-147

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Received:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 9 @ 1' (H900505-46)

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	02/11/2019	ND	2.28	114	2.00	2.57		
Toluene*	<0.050	0.050	02/11/2019	ND	2.15	107	2.00	1.80		
Ethylbenzene*	<0.050	0.050	02/11/2019	ND	2.10	105	2.00	2.45		
Total Xylenes*	<0.150	0.150	02/11/2019	ND	6.27	105	6.00	1.84		
Total BTEx	<0.300	0.300	02/11/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	384	16.0	02/14/2019	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	02/12/2019	ND	180	90.2	200	5.40	
DRO >C10-C28*	<10.0	10.0	02/12/2019	ND	192	96.0	200	0.186	
EXT DRO >C28-C36	<10.0	10.0	02/12/2019	ND					

Surrogate: 1-Chlorooctane 77.6 % 41-142

Surrogate: 1-Chlorooctadecane 76.8 % 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:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP 9 @ 2' (H900505-47)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	02/14/2019	ND	416	104	400	0.00		

Sample ID: SP 9 @ 3' (H900505-48)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	02/14/2019	ND	416	104	400	0.00		

Sample ID: SP 9 @ 4' (H900505-49)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	02/14/2019	ND	416	104	400	0.00		

Sample ID: SP 9 @ 5' (H900505-50)

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	02/14/2019	ND	416	104	400	0.00	

Sample ID: SP 9 @ 6' (H900505-51)

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	02/14/2019	ND	416	104	400	0.00		

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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:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: NORTH @ SURFACE (H900505-52)

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	02/11/2019	ND	2.28	114	2.00	2.57	
Toluene*	<0.050	0.050	02/11/2019	ND	2.15	107	2.00	1.80	
Ethylbenzene*	<0.050	0.050	02/11/2019	ND	2.10	105	2.00	2.45	
Total Xylenes*	<0.150	0.150	02/11/2019	ND	6.27	105	6.00	1.84	
Total BTX	<0.300	0.300	02/11/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	02/14/2019	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	02/12/2019	ND	180	90.2	200	5.40	
DRO >C10-C28*	<10.0	10.0	02/12/2019	ND	192	96.0	200	0.186	
EXT DRO >C28-C36	<10.0	10.0	02/12/2019	ND					

Surrogate: 1-Chlorooctane 83.8 % 41-142

Surrogate: 1-Chlorooctadecane 82.3 % 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:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: EAST @ SURFACE (H900505-53)

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	02/11/2019	ND	2.28	114	2.00	2.57	
Toluene*	<0.050	0.050	02/11/2019	ND	2.15	107	2.00	1.80	
Ethylbenzene*	<0.050	0.050	02/11/2019	ND	2.10	105	2.00	2.45	
Total Xylenes*	<0.150	0.150	02/11/2019	ND	6.27	105	6.00	1.84	
Total BTX	<0.300	0.300	02/11/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	02/14/2019	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	02/12/2019	ND	180	90.2	200	5.40	
DRO >C10-C28*	<10.0	10.0	02/12/2019	ND	192	96.0	200	0.186	
EXT DRO >C28-C36	<10.0	10.0	02/12/2019	ND					

Surrogate: 1-Chlorooctane 82.8 % 41-142

Surrogate: 1-Chlorooctadecane 80.5 % 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:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: WEST @ SURFACE (H900505-54)

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	02/11/2019	ND	2.28	114	2.00	2.57	
Toluene*	<0.050	0.050	02/11/2019	ND	2.15	107	2.00	1.80	
Ethylbenzene*	<0.050	0.050	02/11/2019	ND	2.10	105	2.00	2.45	
Total Xylenes*	<0.150	0.150	02/11/2019	ND	6.27	105	6.00	1.84	
Total BTX	<0.300	0.300	02/11/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	02/14/2019	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	02/12/2019	ND	180	90.2	200	5.40	
DRO >C10-C28*	<10.0	10.0	02/12/2019	ND	192	96.0	200	0.186	
EXT DRO >C28-C36	<10.0	10.0	02/12/2019	ND					

Surrogate: 1-Chlorooctane 84.7 % 41-142

Surrogate: 1-Chlorooctadecane 81.5 % 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:	02/08/2019	Sampling Date:	02/06/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	CORRAL FLY 2-1 STATE #23H	Sampling Condition:	Cool & Intact
Project Number:	(6-8-18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SOUTH @ SURFACE (H900505-55)

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	02/11/2019	ND	2.28	114	2.00	2.57	
Toluene*	<0.050	0.050	02/11/2019	ND	2.15	107	2.00	1.80	
Ethylbenzene*	<0.050	0.050	02/11/2019	ND	2.10	105	2.00	2.45	
Total Xylenes*	<0.150	0.150	02/11/2019	ND	6.27	105	6.00	1.84	
Total BTX	<0.300	0.300	02/11/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	64.0	16.0	02/14/2019	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	02/12/2019	ND	180	90.2	200	5.40	
DRO >C10-C28*	<10.0	10.0	02/12/2019	ND	192	96.0	200	0.186	
EXT DRO >C28-C36	<10.0	10.0	02/12/2019	ND					

Surrogate: 1-Chlorooctane 84.9 % 41-142

Surrogate: 1-Chlorooctadecane 82.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in cursive script, appearing to read "Celey D. Keene", written in black ink.

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. #:		<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Extended</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEx</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">C1</div> </div>									
Address: P.O. Box 805				Company: <u>Oxy</u>											
City: Hobbs		State: NM		Zip: 88241											
Phone #: 575-397-6388		Fax #: 575-397-0397		Attn: <u>W. Dittreich</u>											
Project #:				Address:											
Project Owner: <u>Oxy</u>				City:											
Project Name: Corral Fly 2-1 State 23H - 6-8-18				State:											
Project Location:				Zip:											
Sampler Name: Jeff Ornelas				Phone #:											
Fax #:															

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME
GROUNDWATER	WASTEWATER				SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:					
		<u>H900505</u>														
		1	SP1 @ SURFACE	G			✓					✓		2-5-19	9:44 AM	
		2	SP1 @ 1'											2-5-19	9:59 AM	
		3	SP1 @ 2'											2-5-19	10:30 AM	
		4	SP1 @ 3'											2-5-19	10:41 AM	
		5	SP1 @ 4'											2-5-19	10:52 AM	
		6	SP1 @ 5'											2-5-19	11:11 AM	
		7	SP1 @ 6'											2-5-19	11:25 AM	
		8	SP2 @ SURFACE											2-5-19	11:27 AM	
		9	SP2 @ 1'											2-5-19	11:33 AM	
		10	SP2 @ 2'											2-5-19	11:47 AM	

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Relinquished By:	Date: <u>2/8/19</u>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<u>Jeff Ornelas</u>	Time: <u>9:45</u>	<u>Tamara Eldridge</u>	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: <u>3.0c #91</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) <u>T.O.</u>	

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

1 of 6

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 6

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 style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Extended</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTZY</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">C1</div> </div>											
Address: P.O. Box 805				Company: <i>Oxy</i>															
City: Hobbs State: NM Zip: 88241				Attn: <i>W. Dittreich</i>															
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:															
Project #: Project Owner: Oxy				City:															
Project Name: Corral Fly 2-1 State 23H - 6-8-18				State: Zip:															
Project Location:				Phone #:															
Sampler Name: Jeff Ornelas				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>H900505</i>																			
<i>11</i>	SP2 @ 3'	<i>G</i>			<i>✓</i>					<i>✓</i>		2-5-19	11:55 AM						
<i>12</i>	SP2 @ 4'											2-5-19	12:12 AM						
<i>13</i>	SP2 @ 5'											2-5-19	12:30 PM						
<i>14</i>	SP2 @ 6'											2-5-19	1:11 PM						
<i>15</i>	SP3 @ SURFACE											2-5-19	1:15 PM	<i>✓</i>					
<i>16</i>	SP3 @ 1'											2-5-19	1:16 PM	<i>✓</i>					
<i>17</i>	SP3 @ 2'											2-5-19	1:19 PM	<i>✓</i>					
<i>18</i>	SP3 @ 3'											2-5-19	1:29 PM	<i>✓</i>					
<i>19</i>	SP3 @ 4'											2-5-19	1:35 PM	<i>✓</i>					
<i>20</i>	SP3 @ 5'											2-5-19	1:40 PM	<i>✓</i>					

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Relinquished By:	Date: <i>2/8/19</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Jeff Ornelas</i>	Time: <i>9:45</i>	<i>Lumara Dilday</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: <i>3.0c #97</i>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) <i>TP</i>	

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**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 6

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 style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Extended</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">87EX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">C1</div> </div>											
Address: P.O. Box 805				Company: <u>Oxy</u>															
City: Hobbs State: NM Zip: 88241				Attn: <u>W. Dietrich</u>															
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:															
Project #: Project Owner: Oxy				City:															
Project Name: Corral Fly 2-1 State 23H - 6-8-18				State: Zip:															
Project Location:				Phone #:															
Sampler Name: Jeff Ornelas				Fax #:															

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	
GROUNDWATER	WASTEWATER				SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :						
		<u>H900 505</u>															
		<u>21</u>	SP3 @ 6'											2-5-19	1:45 PM		
		<u>22</u>	SP4 @ SURFACE											2-5-19	1:46 PM		
		<u>23</u>	SP4 @ 1'											2-5-19	1:55 PM		
		<u>24</u>	SP4 @ 2'											2-5-19	1:59 PM		
		<u>25</u>	SP4 @ 3'											2-5-19	2:11 PM		
		<u>26</u>	SP4 @ 4'											2-5-19	2:22 PM		
		<u>27</u>	SP4 @ 5'											2-5-19	2:32 PM		
		<u>28</u>	SP4 @ 6'											2-5-19	2:50 PM		
		<u>29</u>	SP5 @ SURFACE											2-5-19	2:51 PM		
		<u>30</u>	SP5 @ 1'											2-5-19	2:53 PM		

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Relinquished By:	Date: <u>2/8/19</u>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<u>Jeff Ornelas</u>	Time: <u>9:45</u>	<u>Jamara Blakely</u>	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: <u>3.0c #97</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) <u>JO</u>	

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4 of 6

Released to Imaging: 4/5/2023 2:19:08 PM

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 6

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 style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Extended</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">C1</div> </div>											
Address: P.O. Box 805				Company: <i>Oxy</i>													
City: Hobbs		State: NM		Zip: 88241													
Phone #: 575-397-6388		Fax #: 575-397-0397		Attn: <i>Co. Dittrich</i>													
Project #:				Address:													
Project Owner: <i>Oxy</i>				City:													
Project Name: Corral Fly 2-1 State 23H - 6-8-18				State:													
Project Location:				Phone #:													
Sampler Name: Jeff Ornelas				Fax #:													

FOR LAB USE ONLY		G/RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		DATE	TIME
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :				
<i>H900505</i>																
<i>41</i>	SP7 @ 2'	<i>G</i>	<i>1</i>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				2-6-19	10:45 AM	
<i>42</i>	SP8 @ SURFACE													2-6-19	10:46 AM	
<i>43</i>	SP8 @ 1'													2-6-19	10:56 AM	
<i>44</i>	SP8 @ 2'													2-6-19	10:59 AM	
<i>45</i>	SP9 @ SURFACE													2-6-19	11:01 AM	
<i>46</i>	SP9 @ 1'													2-6-19	11:11 AM	
<i>47</i>	SP9 @ 2'													2-6-19	11:22 AM	
<i>48</i>	SP9 @ 3'													2-6-19	11:49 AM	
<i>49</i>	SP9 @ 4'													2-6-19	12:04 PM	
<i>50</i>	SP9 @ 5'													2-6-19	12:12 PM	

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Relinquished By:	Date: <i>2/8/19</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Jeff Ornelas</i>	Time: <i>9:45</i>	<i>Samira Alkhatib</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: <i>3.0e #97</i>	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	(Initials)
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>YO</i>

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

6. of 6

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Extended</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEx</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">C1</div> </div>											
Address: P.O. Box 805				Company: <i>Oxcl</i>															
City: Hobbs State: NM Zip: 88241				Attn: <i>W. Dittreich</i>															
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:															
Project #: Project Owner: Oxy				City:															
Project Name: Corral Fly 2-1 State 23H - 6-8-18				State: Zip:															
Project Location:				Phone #:															
Sampler Name: Jeff Ornelas				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>H900 505</i>																			
<i>57</i>	SP9 @ 6'	<i>G</i>	<i>1</i>			<i>✓</i>					<i>✓</i>		2-6-19	12:50 PM	<i>✓</i>				
<i>52</i>	NORTH @ SURFACE	<i>↓</i>	<i>↓</i>			<i>↓</i>					<i>↓</i>		2-6-19	12:59 PM	<i>✓</i>				
<i>53</i>	EAST @ SURFACE	<i>↓</i>	<i>↓</i>			<i>↓</i>					<i>↓</i>		2-6-19	1:11 PM	<i>✓</i>				
<i>54</i>	WEST @ SURFACE	<i>↓</i>	<i>↓</i>			<i>↓</i>					<i>↓</i>		2-6-19	1:22 PM	<i>✓</i>				
<i>55</i>	SOUTH @ SURFACE	<i>↓</i>	<i>↓</i>			<i>↓</i>					<i>↓</i>		2-6-19	1:45 PM	<i>✓</i>				

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Relinquished By:	Date: <i>2/8/19</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Jeff Ornelas</i>	Time: <i>945</i>	<i>Samira Alda</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 Intact	(Initials)		
<i>3.0E #97</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>TO</i>		

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

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

CONDITIONS

Action 203440

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 203440
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
bhall	Site must comply with 19.15.29.13 NMAC as it is located in an area not reasonably needed for production. Base and sidewall confirmation samples will need to be collected and must be representative of no more than 200 square feet.	4/5/2023
bhall	2RP-4808 closed. Refer to incident #NAB1817133937 in all future communication.	4/5/2023
bhall	Submit a complete report though the OCD Permitting website by 7/5/2023.	4/5/2023