



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

DELINEATION WORKPLAN

OXY – PURE GOLD B FEDERAL #4 (Leak Date: 10/17/18)

RP # 2RP-5049

This delineation workplan and remediation proposal addresses the releases associated with RP # 2RP-5049.

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 entire leak area (YELLOW 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 15 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.

1CTQX-191118-C-1410

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-5049
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?	128 (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.

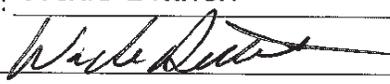
Form C-141

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	2RP-5049
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 Specialist
 Signature:  Date: 11-20-18
 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-5049
Facility ID	
Application ID	

Remediation Plan

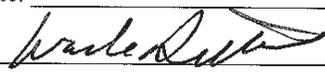
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- 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 Specialist
 Signature:  Date: 11-20-18
 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, Pure Gold B Federal #4

Leak date: 10/17/18
Eddy County, NM
AP# 30-015-27238
2RP-5049

Legend

-  6 inch Excavation across entire leak area
-  Sample points
-  Leak Area



Google Earth

© 2018 Google

90 ft



Oxy, Pure Gold B Federal #4

Sample points

SP1, N 32.28417 W-103.79367

SP2, N 32.28413 W-103.79362

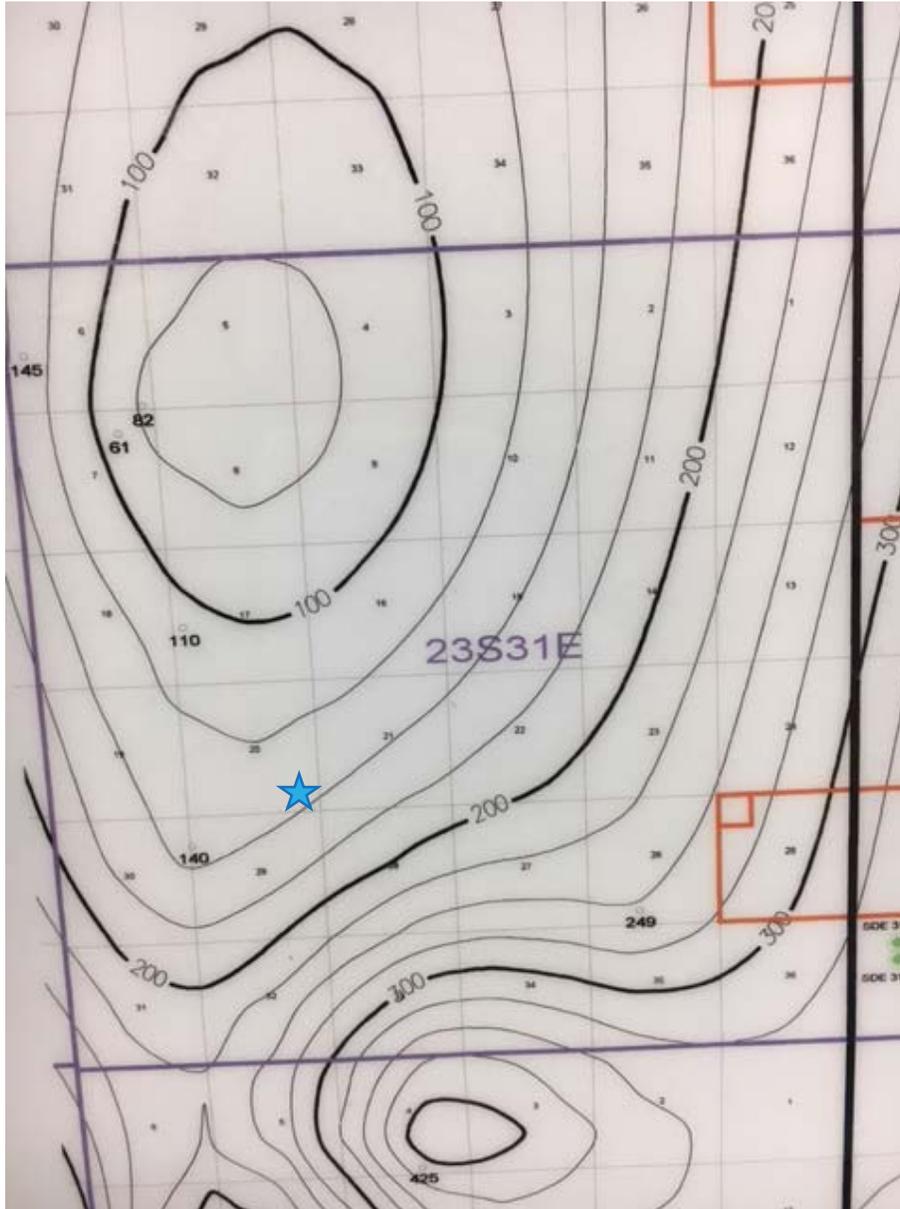
NORTH, N 32.28419 W-103.79364

SOUTH, N 32.28411 W-103.79363

EAST, N 32.28414 W-103.79358

WEST, N 32.28417 W-103.79370

Oxy, Pure Gold B Federal #4
U/L P, Section 20, T23S, R31E
Groundwater: 150'





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National Water Information System: Web Interface

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Data Category: Geographic Area:

Click to hide News Bulletins

- [Please see news on new formats](#)
- **As of 10:00am Friday, October 26, 10% of USGS streamgages are still not transmitting due to an issue with the telemetry system that records and transmits streamgage data. With the National Weather Service and numerous other federal, state, and local partners, the USGS is determining priorities for restoration. On-stock nationwide inventory is quickly being distributed based on that prioritization and work will continue through the weekend. Read [more](#)**
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 321809103481801

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

USGS 321809103481801 23S.31E.17.31141

Eddy County, New Mexico
 Latitude 32°18'11.3", Longitude 103°48'23.4" NAD83
 Land-surface elevation 3,326.00 feet above NGVD29
 The depth of the well is 354 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
1959-02-04		D	110.84			2	P	U		
1987-10-15		D	111.20			2		U		
1992-11-04		D	109.68			2		S		
2013-01-16	16:30 MST	m	128.64			2	R	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Status	P	Site was being pumped.

Section	Code	Description
Status	R	Site had been pumped recently.
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[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: 2018-10-29 15:10:51 EDT

0.55 0.42 nadww01



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National Water Information System: Web Interface

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Data Category: Geographic Area:

Click to hide News Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 321648103482101

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321648103482101 23S.31E.29.11333

Eddy County, New Mexico
 Latitude 32°16'48", Longitude 103°48'21" NAD27
 Land-surface elevation 3,336 feet above NAVD88
 The depth of the well is 220 feet below land surface.
 This well is completed in the Dewey Lake Redbeds (312DYLK) 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
1959-03-26		D	138.43			2		U		
1972-09-20		D	139.90			2	R	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
Status	R	Site had been pumped recently.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.

Section	Code	Description
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[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?>

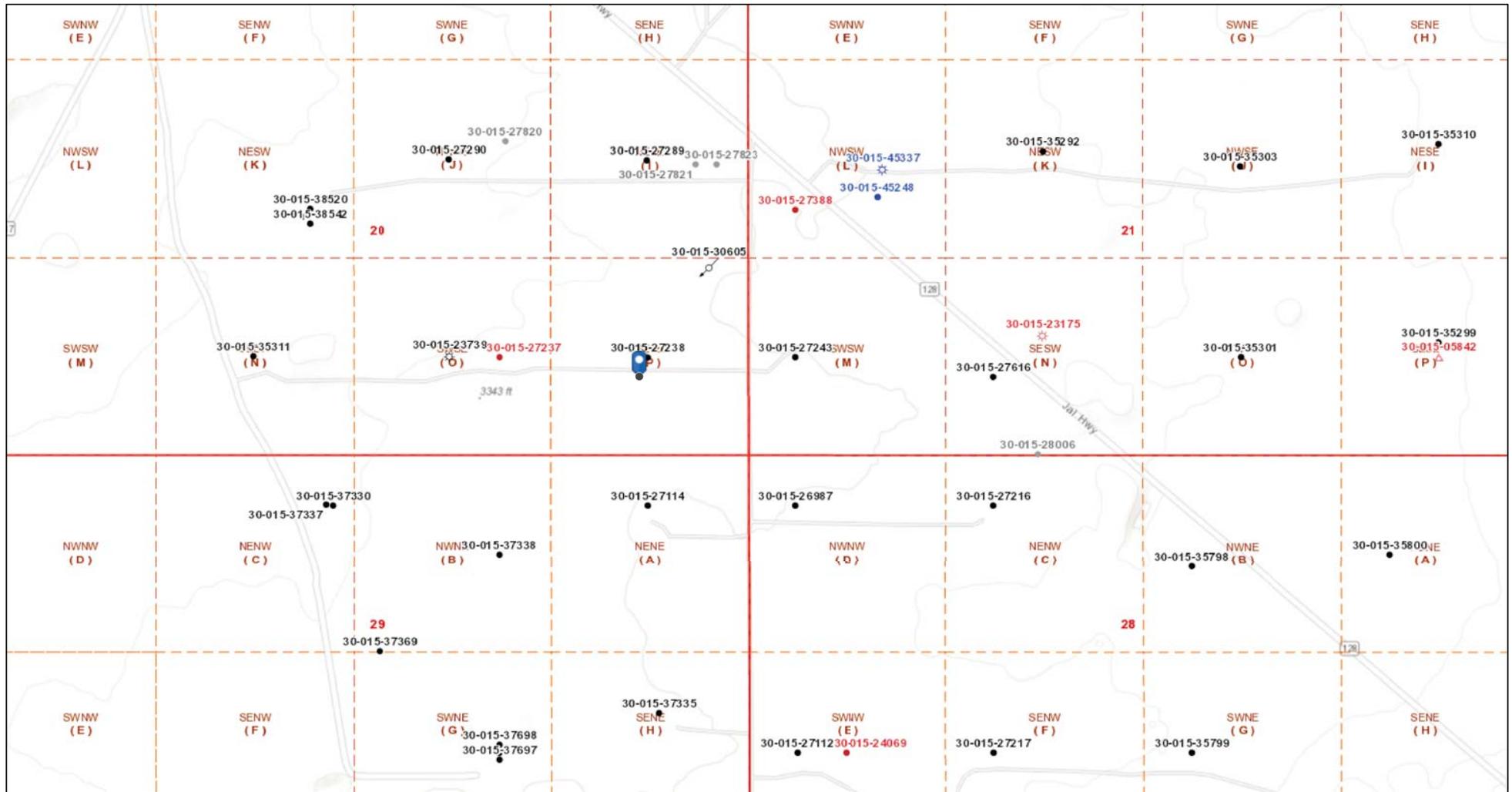


Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2018-10-29 15:12:06 EDT

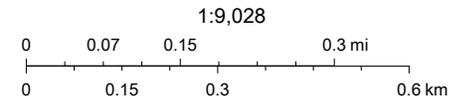
0.52 0.44 nadww01

OCD Map of Water Features



10/29/2018 2:15:45 PM

- | | | | | | |
|------------------------------|------------------------------|---------------------------------|------------------------------------|-----------------------------------|--|
| Well Locations - Small Scale | Well Locations - Large Scale | ☆ Gas Active | ⚡ Injection, Cancelled | ● Oil, New | △ Salt Water Injection, Plugged |
| ● Active | ⊙ Miscellaneous | ☆ Gas, Cancelled, Never Drilled | ⚡ Injection, New | ● Oil, Plugged | △ Salt Water Injection Temporarily Abandoned |
| ● New | ⊙ CO2 Active | ☆ Gas, New | ⚡ Injection, Plugged | ● Oil, Temporarily Abandoned | ⊙ Water, Active |
| ● Plugged | ⊙ CO2 Cancelled | ☆ Gas, Plugged | ⚡ Injection, Temporarily Abandoned | △ Salt Water Injection, Active | ⊙ Water, Cancelled |
| ● Cancelled | ⊙ CO2 New | ☆ Gas, Temporarily Abandoned | ● Oil, Active | △ Salt Water Injection, Cancelled | ● Water, New |
| ● Temporarily Abandoned | ☆ CO2, Plugged | ⚡ Injection, Active | ● Oil, Cancelled | △ Salt Water Injection, New | ● Water, Plugged |
| | ☆ CO2, Temporarily Abandoned | | | | |



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

Oxy, Pure Gold B Federal #4

Leak date: 10/17/18
Eddy County, NM

Legend

-  HIGH Potential, BLM Cave Karst Map
-  LOW Potential, BLM Cave Karst Map
-  Pure Gold B Federal #4

 Pure Gold B Federal #4



National Flood Hazard Layer FIRMette

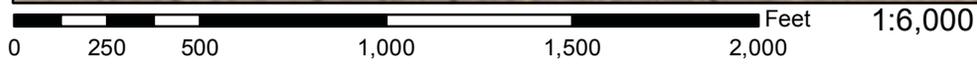


32°17'18.08"N

103°47'55.80"W



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



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 X*
 - 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 D*

- 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**
 - Cross Sections with 1% Annual Chance Water Surface Elevation
20.2
17.5
 - Coastal Transect
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary
 - Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature

- 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 **10/29/2018 at 4:30:07 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
Pure Gold B Federal #4 (10/17/18)

Analyte	Method	Sample ID	SP1 @	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
			SURFACE	10/26/18	10/26/18	10/26/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		3.32	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		25.2	0.106	<0.050	<0.050
Ethylbenzene	BTEX 8021B		12.4	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		44.8	0.496	<0.150	<0.150
Total BTEX	BTEX 8021B		85.7	0.603	<0.300	<0.300
Chloride	SM4500Cl-B		80	112	208	48
GRO	TPH 8015M		688	17.1	<10.0	<10.0
DRO	TPH 8015M		2470	864	248	<10.0
EXT DRO	TPH 8015M		408	228	96.9	<10.0

Analyte	Method	Sample ID	SP2 @	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
			SURFACE	10/26/18	10/26/18	10/26/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.592	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		4.24	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		5.04	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		17.5	0.159	<0.150	<0.150
Total BTEX	BTEX 8021B		27.3	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		16	96	304	16
GRO	TPH 8015M		568	<10.0	<10.0	<10.0
DRO	TPH 8015M		2610	357	354	11.5
EXT DRO	TPH 8015M		446	126	138	<10.0

Analyte	Method	Sample ID	NORTH @	EAST @	WEST @	SOUTH @
			SURFACE	SURFACE	SURFACE	SURFACE
			10/26/18	10/26/18	10/26/18	10/26/18
			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	32	32	<16.0
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

November 07, 2018

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

RE: PURE GOLD B FED #4

Enclosed are the results of analyses for samples received by the laboratory on 10/31/18 17:00.

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".

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:	10/31/2018	Sampling Date:	10/26/2018
Reported:	11/07/2018	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	10-17-18	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H803123-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	3.32	0.500	11/07/2018	ND	1.89	94.4	2.00	3.22		
Toluene*	25.2	0.500	11/07/2018	ND	1.95	97.5	2.00	1.30		
Ethylbenzene*	12.4	0.500	11/07/2018	ND	1.93	96.5	2.00	1.39		
Total Xylenes*	44.8	1.50	11/07/2018	ND	5.75	95.8	6.00	1.34		
Total BTEX	85.7	3.00	11/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 69.8-142

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	11/06/2018	ND	416	104	400	3.77		

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*	688	50.0	11/02/2018	ND	192	96.1	200	2.11			
DRO >C10-C28*	2470	50.0	11/02/2018	ND	215	107	200	3.21			
EXT DRO >C28-C36	408	50.0	11/02/2018	ND							

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 165 % 37.6-147

Cardinal Laboratories

* = Accredited Analyte

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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:	10/31/2018	Sampling Date:	10/26/2018
Reported:	11/07/2018	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	10-17-18	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 1' (H803123-02)

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	11/07/2018	ND	1.89	94.4	2.00	3.22		
Toluene*	0.106	0.050	11/07/2018	ND	1.95	97.5	2.00	1.30		
Ethylbenzene*	<0.050	0.050	11/07/2018	ND	1.93	96.5	2.00	1.39		
Total Xylenes*	0.496	0.150	11/07/2018	ND	5.75	95.8	6.00	1.34		
Total BTEX	0.603	0.300	11/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 69.8-142

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	11/06/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	17.1	10.0	11/02/2018	ND	192	96.1	200	2.11		
DRO >C10-C28*	864	10.0	11/02/2018	ND	215	107	200	3.21		
EXT DRO >C28-C36	228	10.0	11/02/2018	ND						

Surrogate: 1-Chlorooctane 95.4 % 41-142

Surrogate: 1-Chlorooctadecane 118 % 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:	10/31/2018	Sampling Date:	10/26/2018
Reported:	11/07/2018	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	10-17-18	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 2' (H803123-03)

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	11/07/2018	ND	1.89	94.4	2.00	3.22		
Toluene*	<0.050	0.050	11/07/2018	ND	1.95	97.5	2.00	1.30		
Ethylbenzene*	<0.050	0.050	11/07/2018	ND	1.93	96.5	2.00	1.39		
Total Xylenes*	<0.150	0.150	11/07/2018	ND	5.75	95.8	6.00	1.34		
Total BTEX	<0.300	0.300	11/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	11/06/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2018	ND	192	96.1	200	2.11		
DRO >C10-C28*	248	10.0	11/03/2018	ND	215	107	200	3.21		
EXT DRO >C28-C36	93.9	10.0	11/03/2018	ND						

Surrogate: 1-Chlorooctane 72.2 % 41-142

Surrogate: 1-Chlorooctadecane 83.1 % 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:	10/31/2018	Sampling Date:	10/26/2018
Reported:	11/07/2018	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	10-17-18	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ 3' (H803123-04)

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	11/07/2018	ND	1.89	94.4	2.00	3.22		
Toluene*	<0.050	0.050	11/07/2018	ND	1.95	97.5	2.00	1.30		
Ethylbenzene*	<0.050	0.050	11/07/2018	ND	1.93	96.5	2.00	1.39		
Total Xylenes*	<0.150	0.150	11/07/2018	ND	5.75	95.8	6.00	1.34		
Total BTEX	<0.300	0.300	11/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/06/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2018	ND	192	96.1	200	2.11		
DRO >C10-C28*	<10.0	10.0	11/03/2018	ND	215	107	200	3.21		
EXT DRO >C28-C36	<10.0	10.0	11/03/2018	ND						

Surrogate: 1-Chlorooctane 90.5 % 41-142

Surrogate: 1-Chlorooctadecane 94.9 % 37.6-147

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Fax To: (575) 397-0397

Received:	10/31/2018	Sampling Date:	10/26/2018
Reported:	11/07/2018	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	10-17-18	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ SURFACE (H803123-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.592	0.200	11/07/2018	ND	1.89	94.4	2.00	3.22		
Toluene*	4.24	0.200	11/07/2018	ND	1.95	97.5	2.00	1.30		
Ethylbenzene*	5.04	0.200	11/07/2018	ND	1.93	96.5	2.00	1.39		
Total Xylenes*	17.5	0.600	11/07/2018	ND	5.75	95.8	6.00	1.34		
Total BTEX	27.3	1.20	11/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 137 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/06/2018	ND	416	104	400	3.77		

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*	568	50.0	11/03/2018	ND	192	96.1	200	2.11			
DRO >C10-C28*	2610	50.0	11/03/2018	ND	215	107	200	3.21			
EXT DRO >C28-C36	446	50.0	11/03/2018	ND							

Surrogate: 1-Chlorooctane 122 % 41-142

Surrogate: 1-Chlorooctadecane 176 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	10/31/2018	Sampling Date:	10/26/2018
Reported:	11/07/2018	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	10-17-18	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 1' (H803123-06)

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	11/07/2018	ND	1.89	94.4	2.00	3.22		
Toluene*	<0.050	0.050	11/07/2018	ND	1.95	97.5	2.00	1.30		
Ethylbenzene*	<0.050	0.050	11/07/2018	ND	1.93	96.5	2.00	1.39		
Total Xylenes*	0.159	0.150	11/07/2018	ND	5.75	95.8	6.00	1.34		
Total BTEX	<0.300	0.300	11/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/06/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2018	ND	192	96.1	200	2.11		
DRO >C10-C28*	357	10.0	11/03/2018	ND	215	107	200	3.21		
EXT DRO >C28-C36	126	10.0	11/03/2018	ND						

Surrogate: 1-Chlorooctane 73.1 % 41-142

Surrogate: 1-Chlorooctadecane 93.6 % 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:	10/31/2018	Sampling Date:	10/26/2018
Reported:	11/07/2018	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	10-17-18	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 2' (H803123-07)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/07/2018	ND	1.89	94.4	2.00	3.22		
Toluene*	<0.050	0.050	11/07/2018	ND	1.95	97.5	2.00	1.30		
Ethylbenzene*	<0.050	0.050	11/07/2018	ND	1.93	96.5	2.00	1.39		
Total Xylenes*	<0.150	0.150	11/07/2018	ND	5.75	95.8	6.00	1.34		
Total BTEX	<0.300	0.300	11/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	11/06/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2018	ND	192	96.1	200	2.11		
DRO >C10-C28*	354	10.0	11/03/2018	ND	215	107	200	3.21		
EXT DRO >C28-C36	138	10.0	11/03/2018	ND						

Surrogate: 1-Chlorooctane 93.6 % 41-142

Surrogate: 1-Chlorooctadecane 117 % 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:	10/31/2018	Sampling Date:	10/26/2018
Reported:	11/07/2018	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	10-17-18	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ 3' (H803123-08)

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	11/07/2018	ND	1.89	94.4	2.00	3.22		
Toluene*	<0.050	0.050	11/07/2018	ND	1.95	97.5	2.00	1.30		
Ethylbenzene*	<0.050	0.050	11/07/2018	ND	1.93	96.5	2.00	1.39		
Total Xylenes*	<0.150	0.150	11/07/2018	ND	5.75	95.8	6.00	1.34		
Total BTEX	<0.300	0.300	11/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/06/2018	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2018	ND	192	96.1	200	2.11		
DRO >C10-C28*	11.5	10.0	11/03/2018	ND	215	107	200	3.21		
EXT DRO >C28-C36	<10.0	10.0	11/03/2018	ND						

Surrogate: 1-Chlorooctane 88.5 % 41-142

Surrogate: 1-Chlorooctadecane 93.6 % 37.6-147

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Analytical Results For:

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Fax To: (575) 397-0397

Received:	10/31/2018	Sampling Date:	10/26/2018
Reported:	11/07/2018	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	10-17-18	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: NORTH @ SURFACE (H803123-09)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/07/2018	ND	1.89	94.4	2.00	3.22		
Toluene*	<0.050	0.050	11/07/2018	ND	1.95	97.5	2.00	1.30		
Ethylbenzene*	<0.050	0.050	11/07/2018	ND	1.93	96.5	2.00	1.39		
Total Xylenes*	<0.150	0.150	11/07/2018	ND	5.75	95.8	6.00	1.34		
Total BTEX	<0.300	0.300	11/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/06/2018	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2018	ND	192	96.1	200	2.11		
DRO >C10-C28*	<10.0	10.0	11/03/2018	ND	215	107	200	3.21		
EXT DRO >C28-C36	<10.0	10.0	11/03/2018	ND						

Surrogate: 1-Chlorooctane 86.5 % 41-142

Surrogate: 1-Chlorooctadecane 92.9 % 37.6-147

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Analytical Results For:

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

Received:	10/31/2018	Sampling Date:	10/26/2018
Reported:	11/07/2018	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	10-17-18	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: EAST @ SURFACE (H803123-10)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/07/2018	ND	1.89	94.4	2.00	3.22		
Toluene*	<0.050	0.050	11/07/2018	ND	1.95	97.5	2.00	1.30		
Ethylbenzene*	<0.050	0.050	11/07/2018	ND	1.93	96.5	2.00	1.39		
Total Xylenes*	<0.150	0.150	11/07/2018	ND	5.75	95.8	6.00	1.34		
Total BTEX	<0.300	0.300	11/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/06/2018	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2018	ND	192	96.1	200	2.11		
DRO >C10-C28*	<10.0	10.0	11/03/2018	ND	215	107	200	3.21		
EXT DRO >C28-C36	<10.0	10.0	11/03/2018	ND						

Surrogate: 1-Chlorooctane 88.8 % 41-142

Surrogate: 1-Chlorooctadecane 98.5 % 37.6-147

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* = Accredited Analyte

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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:	10/31/2018	Sampling Date:	10/26/2018
Reported:	11/07/2018	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	10-17-18	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: WEST@ SURFACE (H803123-11)

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	11/07/2018	ND	1.89	94.4	2.00	3.22		
Toluene*	<0.050	0.050	11/07/2018	ND	1.95	97.5	2.00	1.30		
Ethylbenzene*	<0.050	0.050	11/07/2018	ND	1.93	96.5	2.00	1.39		
Total Xylenes*	<0.150	0.150	11/07/2018	ND	5.75	95.8	6.00	1.34		
Total BTEX	<0.300	0.300	11/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/06/2018	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2018	ND	192	96.1	200	2.11		
DRO >C10-C28*	<10.0	10.0	11/03/2018	ND	215	107	200	3.21		
EXT DRO >C28-C36	<10.0	10.0	11/03/2018	ND						

Surrogate: 1-Chlorooctane 85.6 % 41-142

Surrogate: 1-Chlorooctadecane 91.8 % 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:	10/31/2018	Sampling Date:	10/26/2018
Reported:	11/07/2018	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	10-17-18	Sample Received By:	Tamara Oldaker
Project Location:	EDDY COUNTY, NM		

Sample ID: SOUTH @ SURFACE (H803123-12)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/07/2018	ND	2.07	104	2.00	0.283		
Toluene*	<0.050	0.050	11/07/2018	ND	1.97	98.7	2.00	0.860		
Ethylbenzene*	<0.050	0.050	11/07/2018	ND	1.81	90.6	2.00	0.418		
Total Xylenes*	<0.150	0.150	11/07/2018	ND	5.82	97.1	6.00	0.330		
Total BTEX	<0.300	0.300	11/07/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/06/2018	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2018	ND	192	96.1	200	2.11		
DRO >C10-C28*	<10.0	10.0	11/03/2018	ND	215	107	200	3.21		
EXT DRO >C28-C36	<10.0	10.0	11/03/2018	ND						

Surrogate: 1-Chlorooctane 90.9 % 41-142

Surrogate: 1-Chlorooctadecane 98.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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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.
- 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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Coley D. Keene

Coley D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																							
Project Manager: Cliff Brunson		P.O. #:																									
Address: P.O. Box 805		Company: <i>Oxy</i>																									
City: Hobbs State: NM Zip: 88241		Attn: <i>Wade Dittrich</i>																									
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:																									
Project #: Project Owner: <i>Oxy</i>		City:																									
Project Name: Pure Gold B Fed #4 - 10-17-18		State: Zip:																									
Project Location:		Phone #:																									
Sampler Name: Roger Hernandez		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>H803123</i>																											
<i>1</i>	SP1 @ Surface												10-26-18	9:09 am	✓	✓	✓										
<i>2</i>	SP1 @ 1'												10-26-18	9:22 am	✓	✓	✓										
<i>3</i>	SP1 @ 2'												10-26-18	9:38 am	✓	✓	✓										
<i>4</i>	SP1 @ 3'												10-26-18	10:00 am	✓	✓	✓										
<i>5</i>	SP2 @ Surface												10-26-18	10:15 am	✓	✓	✓										
<i>6</i>	SP2 @ 1'												10-26-18	10:32 am	✓	✓	✓										
<i>7</i>	SP2 @ 2'												10-26-18	10:55 am	✓	✓	✓										
<i>8</i>	SP2 @ 3'												10-26-18	11:15 am	✓	✓	✓										
<i>9</i>	North @ Surface												10-26-18	11:30 am	✓	✓	✓										
<i>10</i>	East @ Surface												10-26-18	11:45 am	✓	✓	✓										

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Relinquished By:	Date: <i>10/31/18</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Jay Orndorff</i>	Time: <i>4:30</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: <i>10-31-18</i>	Received By:	REMARKS:	
<i>Roger Hernandez</i>	Time: <i>5:00 PM</i>	<i>Jessica Oldaker</i>		
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: <i>2.3i #97</i>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) <i>JO</i>		

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

