



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

## DELINEATION/REMEDATION WORKPLAN

### OXY – PURE GOLD A FED #8 BATTERY (Leak Date: 2/4/20)

#### Incident Reference #: NRM2004438802

This delineation workplan and remediation proposal addresses the releases associated with Incident Reference #: NRM2004438802.

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).
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, SP2, SP4, and SP5 (Blue shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP3 (Purple shade on diagram) will be excavated to a depth of 5 feet.***

***OXY will collect sidewall and confirmation samples every 200 square feet. The estimated amount of soil to be excavated is 500 cubic yards. The remediation will be completed within 90 days of approval.***

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

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

Form C-141

Page 3

State of New Mexico  
Oil Conservation Division

Incident ID	NRM2004438802
District RP	
Facility ID	30-015-35296
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 <b>not</b> 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

Page 4

Incident ID	NRM2004438802
District RP	
Facility ID	30-015-35296
Application ID	

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

Printed Name: Wade Dittrich Title: Environmental CoordinatorSignature: Date: 5-13-2020email: wade\_dittrich@oxy.comTelephone: (575) 390-2828**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

Form C-141

State of New Mexico  
Oil Conservation Division

Page 5

Incident ID	NRM2004438802
District RP	
Facility ID	30-015-35296
Application ID	

## Remediation Plan

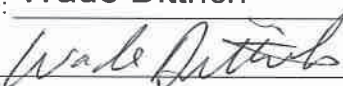
**Remediation Plan Checklist:** Each of the following items must be included in the plan.

- ☒ 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: 5-13-2020  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

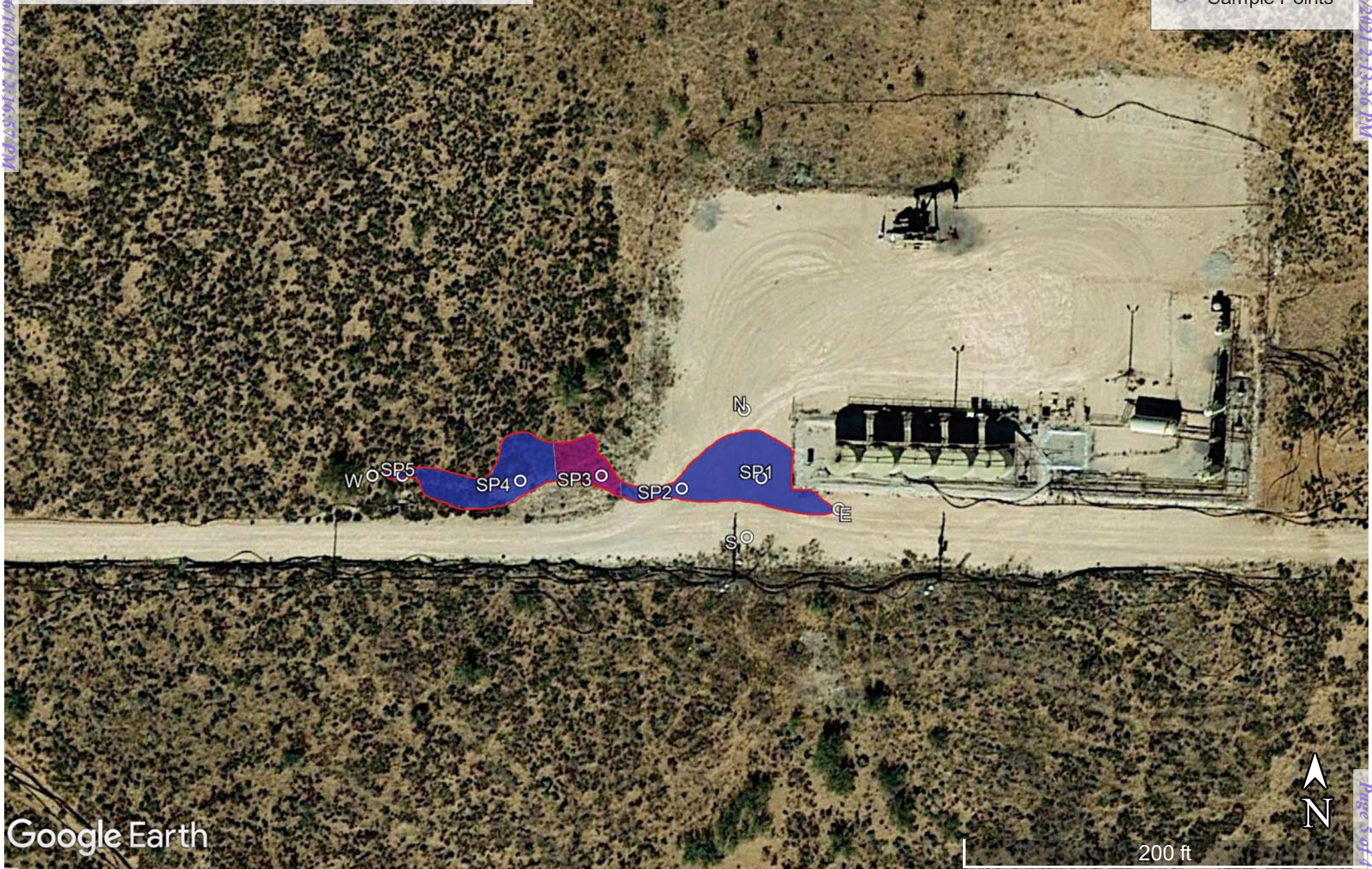
☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

# Oxy Pure Gold A Fed #8 Battery

Leak Date: 2-4-2020  
Eddy County, NM  
API: 30-015-35296  
Incident ID: NRM2004438802

- Legend**
- 1 ft Excavation
  - 5 ft Excavation
  - Leak Area
  - Sample Points



Oxy, Pure Gold A Federal #8 Bat (2-4-20)

Sample points

SP1, N 32.29178 W-103.78524

SP2, N 32.29177 W-103.78537

SP3, N 32.29178 W-103.78550

SP4, N 32.29178 W-103.78563

SP5, N 32.29178 W-103.78582

NORTH, N 32.29187 W-103.78527

EAST, N 32.29174 W-103.78511

WEST, N 32.29178 W-103.78586

SOUTH, N 32.29170 W-103.78526



USGS Home  
Contact USGS  
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 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

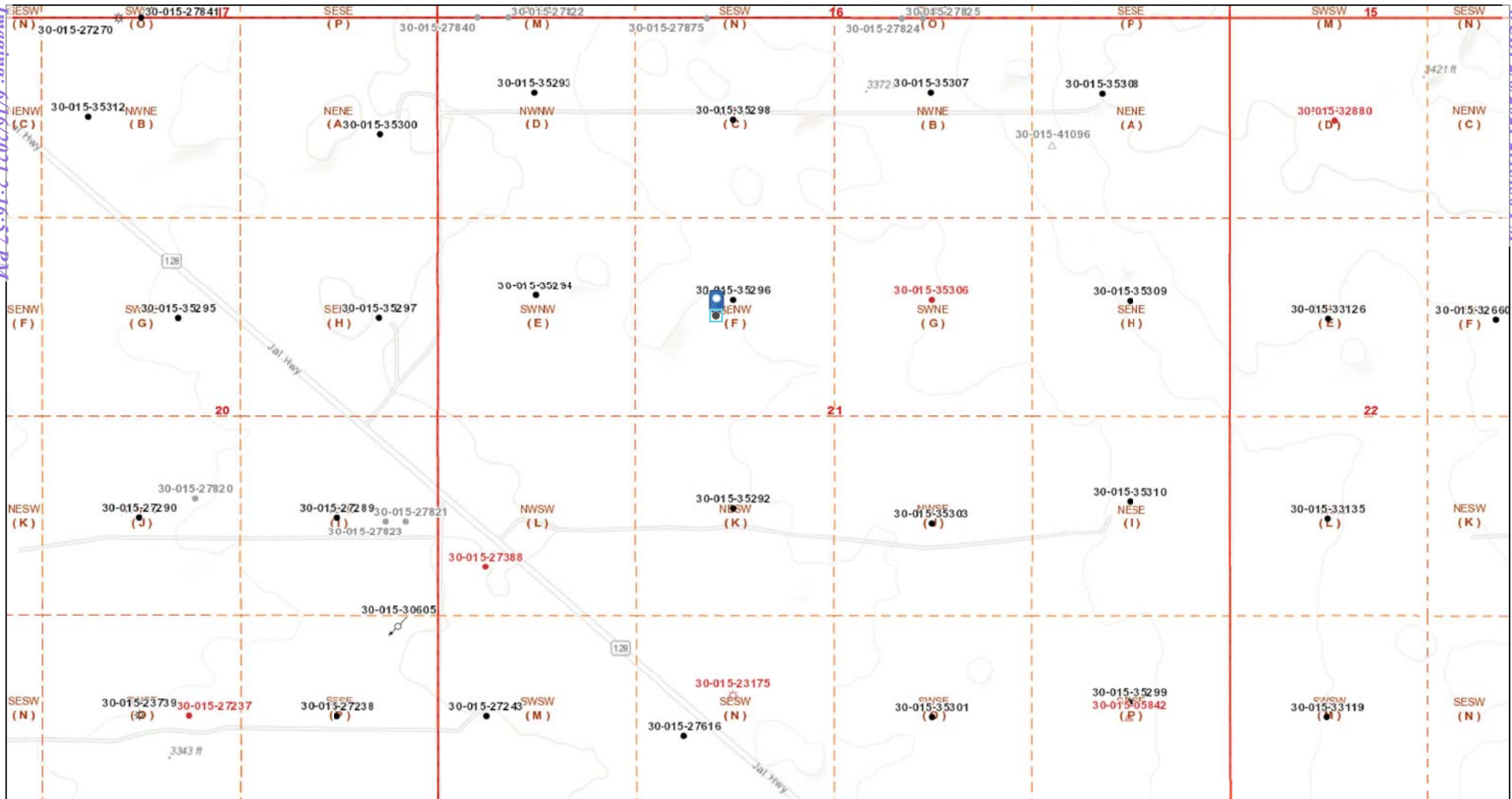
<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
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

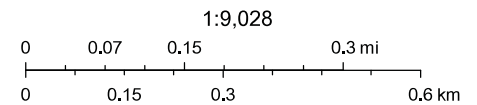
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Status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

# Oxy, Pure Gold A Federal #8 3000ft to H2O



2/7/2020 1:55:22 PM

- |                     |                            |                                  |                                 |   |
|---------------------|----------------------------|----------------------------------|---------------------------------|---|
| Wells - Large Scale | CO2, Temporarily Abandoned | Injection, Active                | Oil, Cancelled                  | Salt Water Injection, New                   |
| ?                   | Gas, Active                | Injection, Cancelled             | Oil, New                        | Salt Water Injection, Plugged               |
| Miscellaneous       | Gas, Cancelled             | Injection, New                   | Oil, Plugged                    | Salt Water Injection, Temporarily Abandoned |
| CO2, Active         | Gas, New                   | Injection, Plugged               | Oil, Temporarily Abandoned      | Water, Active                               |
| CO2, Cancelled      | Gas, Plugged               | Injection, Temporarily Abandoned | Salt Water Injection, Active    | Water, Cancelled                            |
| CO2, New            | Gas, Temporarily Abandoned | Oil, Active                      | Salt Water Injection, Cancelled | Water, New                                  |
| CO2, Plugged        |                            |                                  |                                 |   |





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

# Oxy, Pure Gold A Fed #8

Leak Date: 2-4-2020  
API: 30-015-35296

## BLM CAVE KARST MAP

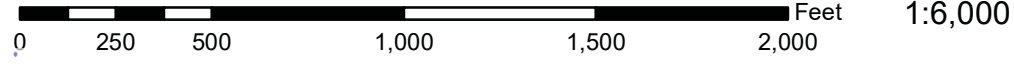
### Legend

-  Leak Area
-  Low Potential



Released to Imaging: 6/16/2021 2:16:57 PM  
NW 6 72.27 3309

# National Flood Hazard Layer FIRMette



### 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 X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		51.5 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 **2/12/2020 at 6:23:55 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.

Received by OCD: 2/18/2021 2:13:36 PM

Laboratory Analytical Results Summary  
Pure Gold A Fed #8 (2-4-20)

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	3/6/20	3/6/20	3/6/20	3/6/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		32.0	32.0	16.0	32.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	3/6/20	3/6/20	3/6/20	3/6/20	3/6/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.218	<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		1.33	<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		2.16	<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		9.94	<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		13.7	<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		4400	384	400	160	<16.0
GRO	TPH 8015M		290	<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		13500	<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		3100	10.3	<10.0	n/a	n/a

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'
Analyte	Method	Date	3/6/20	3/6/20	3/6/20	3/6/20	3/6/20	3/6/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.344	<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		2.96	<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		4.27	<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		18.1	<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		25.7	<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		15100	944	464	496	240	112
GRO	TPH 8015M		348	<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		13000	71.3	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		3260	19.5	<10.0	n/a	n/a	n/a

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'	SP3 @ 7'
Analyte	Method	Date	3/6/20	3/6/20	3/6/20	3/6/20	3/6/20	3/9/20	3/9/20	3/9/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		0.118	<0.050	<0.050	<0.050	<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		0.171	<0.050	<0.050	<0.050	<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		0.824	<0.150	<0.150	<0.150	<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		1.11	<0.300	<0.300	<0.300	<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		3280	1820	7040	15200	7280	864	352	160
GRO	TPH 8015M		<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		11400	<10.0	25.8	<10.0	<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		2600	<10.0	19.1	<10.0	<10.0	<10.0	n/a	n/a

Laboratory Analytical Results Summary  
Pure Gold A Fed #8 (2-4-20)

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	3/9/20	3/9/20	3/9/20	3/9/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		4.11	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		8.53	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		32.4	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		45.1	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		368	64.0	64.0	80
GRO	TPH 8015M		1450	<10.0	<10.0	n/a
DRO	TPH 8015M		9990	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		1760	<10.0	<10.0	n/a

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'
Analyte	Method	Date	3/9/20	3/9/20	3/9/20	3/9/20	3/9/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		0.353	<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		0.64	<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		3.00	<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		3.99	<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		17800	2110	480	16.0	<16.0
GRO	TPH 8015M		225	<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		18100	79.3	<10.0	n/a	n/a
EXT DRO	TPH 8015M		4360	13.9	<10.0	n/a	n/a



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

---

March 19, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PURE GOLD A FED #8

Enclosed are the results of analyses for samples received by the laboratory on 03/12/20 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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:	03/12/2020	Sampling Date:	03/06/2020
Reported:	03/19/2020	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY COUNTY		

**Sample ID: SP @ NORTH (H000791-01)**

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	03/16/2020	ND	1.86	93.2	2.00	8.45		
Toluene*	<0.050	0.050	03/16/2020	ND	1.88	94.1	2.00	8.30		
Ethylbenzene*	<0.050	0.050	03/16/2020	ND	1.90	94.9	2.00	8.33		
Total Xylenes*	<0.150	0.150	03/16/2020	ND	5.48	91.3	6.00	8.54		
Total BTEX	<0.300	0.300	03/16/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/17/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2020	ND	168	84.2	200	3.81	
DRO >C10-C28*	<10.0	10.0	03/13/2020	ND	191	95.6	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/13/2020	ND					

Surrogate: 1-Chlorooctane 83.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.1 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP @ EAST (H000791-02)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2020	ND	1.86	93.2	2.00	8.45	
Toluene*	<0.050	0.050	03/16/2020	ND	1.88	94.1	2.00	8.30	
Ethylbenzene*	<0.050	0.050	03/16/2020	ND	1.90	94.9	2.00	8.33	
Total Xylenes*	<0.150	0.150	03/16/2020	ND	5.48	91.3	6.00	8.54	
Total BTX	<0.300	0.300	03/16/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/17/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2020	ND	168	84.2	200	3.81	
DRO >C10-C28*	<10.0	10.0	03/13/2020	ND	191	95.6	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/13/2020	ND					

Surrogate: 1-Chlorooctane 76.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.4 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP @ WEST (H000791-03)**

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	03/16/2020	ND	1.86	93.2	2.00	8.45	
Toluene*	<0.050	0.050	03/16/2020	ND	1.88	94.1	2.00	8.30	
Ethylbenzene*	<0.050	0.050	03/16/2020	ND	1.90	94.9	2.00	8.33	
Total Xylenes*	<0.150	0.150	03/16/2020	ND	5.48	91.3	6.00	8.54	
Total BTEx	<0.300	0.300	03/16/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2020	ND	168	84.2	200	3.81	
DRO >C10-C28*	<10.0	10.0	03/13/2020	ND	191	95.6	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/13/2020	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.5 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP @ SOUTH (H000791-04)**

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	03/16/2020	ND	1.86	93.2	2.00	8.45	
Toluene*	<0.050	0.050	03/16/2020	ND	1.88	94.1	2.00	8.30	
Ethylbenzene*	<0.050	0.050	03/16/2020	ND	1.90	94.9	2.00	8.33	
Total Xylenes*	<0.150	0.150	03/16/2020	ND	5.48	91.3	6.00	8.54	
Total BTEX	<0.300	0.300	03/16/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/17/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2020	ND	168	84.2	200	3.81	
DRO >C10-C28*	<10.0	10.0	03/13/2020	ND	191	95.6	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/13/2020	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.4 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP1 @ SURFACE (H000791-05)**

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.218</b>	0.050	03/17/2020	ND	1.74	87.2	2.00	13.3	
<b>Toluene*</b>	<b>1.33</b>	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1	
<b>Ethylbenzene*</b>	<b>2.16</b>	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6	
<b>Total Xylenes*</b>	<b>9.94</b>	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6	
<b>Total BTX</b>	<b>13.7</b>	0.300	03/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 185 % 73.3-129

Chloride, SM4500CI-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>4400</b>	16.0	03/17/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>290</b>	50.0	03/13/2020	ND	168	84.2	200	3.81	
<b>DRO &gt;C10-C28*</b>	<b>13500</b>	50.0	03/13/2020	ND	191	95.6	200	9.96	
<b>EXT DRO &gt;C28-C36</b>	<b>3100</b>	50.0	03/13/2020	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-144

Surrogate: 1-Chlorooctadecane 594 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP1 @ 1' (H000791-06)**

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	03/17/2020	ND	1.74	87.2	2.00	13.3		
Toluene*	<0.050	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1		
Ethylbenzene*	<0.050	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6		
Total Xylenes*	<0.150	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6		
Total BTX	<0.300	0.300	03/17/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	03/17/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2020	ND	168	84.2	200	3.81	
DRO >C10-C28*	<10.0	10.0	03/13/2020	ND	191	95.6	200	9.96	
EXT DRO >C28-C36	10.3	10.0	03/13/2020	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.6 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP1 @ 2' (H000791-07)**

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	03/17/2020	ND	1.74	87.2	2.00	13.3		
Toluene*	<0.050	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1		
Ethylbenzene*	<0.050	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6		
Total Xylenes*	<0.150	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6		
Total BTEx	<0.300	0.300	03/17/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2020	ND	168	84.2	200	3.81	
DRO >C10-C28*	<10.0	10.0	03/14/2020	ND	191	95.6	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/14/2020	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.0 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP1 @ 3' (H000791-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/17/2020	ND	432	108	400	3.77		

**Sample ID: SP1 @ 4' (H000791-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/17/2020	ND	432	108	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
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 Fax To: (575) 397-0397

Received: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP2 @ SURFACE (H000791-10)**

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.344</b>	0.050	03/17/2020	ND	1.74	87.2	2.00	13.3	
<b>Toluene*</b>	<b>2.96</b>	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1	
<b>Ethylbenzene*</b>	<b>4.27</b>	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6	
<b>Total Xylenes*</b>	<b>18.1</b>	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6	
<b>Total BTX</b>	<b>25.7</b>	0.300	03/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 199 % 73.3-129

Chloride, SM4500Cl-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>15100</b>	16.0	03/17/2020	ND	432	108	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
<b>GRO C6-C10*</b>	<b>348</b>	50.0	03/14/2020	ND	168	84.2	200	3.81	
<b>DRO &gt;C10-C28*</b>	<b>13000</b>	50.0	03/14/2020	ND	191	95.6	200	9.96	
<b>EXT DRO &gt;C28-C36</b>	<b>3260</b>	50.0	03/14/2020	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 621 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
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Received: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP2 @ 1' (H000791-11)**

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	03/17/2020	ND	1.74	87.2	2.00	13.3	
Toluene*	<0.050	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1	
Ethylbenzene*	<0.050	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6	
Total Xylenes*	<0.150	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6	
Total BTEX	<0.300	0.300	03/17/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	03/17/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2020	ND	168	84.2	200	3.81	
DRO >C10-C28*	71.3	10.0	03/14/2020	ND	191	95.6	200	9.96	
EXT DRO >C28-C36	19.5	10.0	03/14/2020	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.3 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP2 @ 2' (H000791-12)**

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	03/17/2020	ND	1.74	87.2	2.00	13.3	
Toluene*	<0.050	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1	
Ethylbenzene*	<0.050	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6	
Total Xylenes*	<0.150	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6	
Total BTX	<0.300	0.300	03/17/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	03/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2020	ND	168	84.2	200	3.81	
DRO >C10-C28*	<10.0	10.0	03/14/2020	ND	191	95.6	200	9.96	
EXT DRO >C28-C36	<10.0	10.0	03/14/2020	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.3 % 42.2-156

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\*=Accredited Analyte

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP2 @ 3' (H000791-13)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/17/2020	ND	432	108	400	3.77	

**Sample ID: SP2 @ 4' (H000791-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/17/2020	ND	432	108	400	3.77		

**Sample ID: SP2 @ 5' (H000791-15)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/17/2020	ND	432	108	400	3.77	

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP3 @ SURFACE (H000791-16)**

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2020	ND	1.74	87.2	2.00	13.3	
Toluene*	<b>0.118</b>	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1	
Ethylbenzene*	<b>0.171</b>	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6	
Total Xylenes*	<b>0.824</b>	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6	
Total BTX	<b>1.11</b>	0.300	03/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 73.3-129

Chloride, SM4500CI-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>3280</b>	16.0	03/17/2020	ND	432	108	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*	<50.0	50.0	03/14/2020	ND	168	84.2	200	3.81	
DRO >C10-C28*	<b>11400</b>	50.0	03/14/2020	ND	191	95.6	200	9.96	
EXT DRO >C28-C36	<b>2600</b>	50.0	03/14/2020	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 496 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP3 @ 1' (H000791-17)**

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	03/17/2020	ND	1.74	87.2	2.00	13.3	
Toluene*	<0.050	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1	
Ethylbenzene*	<0.050	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6	
Total Xylenes*	<0.150	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6	
Total BTX	<0.300	0.300	03/17/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1820	16.0	03/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2020	ND	196	98.2	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/16/2020	ND	191	95.3	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	03/16/2020	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.9 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP3 @ 2' (H000791-18)**

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	03/17/2020	ND	1.74	87.2	2.00	13.3	
Toluene*	<0.050	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1	
Ethylbenzene*	<0.050	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6	
Total Xylenes*	<0.150	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6	
Total BTEX	<0.300	0.300	03/17/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7040	16.0	03/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2020	ND	218	109	200	2.59	
DRO >C10-C28*	25.8	10.0	03/16/2020	ND	231	115	200	1.91	
EXT DRO >C28-C36	19.1	10.0	03/16/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP3 @ 3' (H000791-19)**

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	03/17/2020	ND	1.74	87.2	2.00	13.3	
Toluene*	<0.050	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1	
Ethylbenzene*	<0.050	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6	
Total Xylenes*	<0.150	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6	
Total BTX	<0.300	0.300	03/17/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15200	16.0	03/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2020	ND	218	109	200	2.59	
DRO >C10-C28*	<10.0	10.0	03/16/2020	ND	231	115	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	03/16/2020	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/06/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP3 @ 4' (H000791-20)**

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	03/17/2020	ND	1.74	87.2	2.00	13.3	
Toluene*	<0.050	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1	
Ethylbenzene*	<0.050	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6	
Total Xylenes*	<0.150	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6	
Total BTX	<0.300	0.300	03/17/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7280	16.0	03/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2020	ND	218	109	200	2.59	
DRO >C10-C28*	<10.0	10.0	03/16/2020	ND	231	115	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	03/16/2020	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 120 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/09/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP3 @ 5' (H000791-21)**

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	03/17/2020	ND	1.74	87.2	2.00	13.3	
Toluene*	<0.050	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1	
Ethylbenzene*	<0.050	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6	
Total Xylenes*	<0.150	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6	
Total BTX	<0.300	0.300	03/17/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	03/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2020	ND	218	109	200	2.59	
DRO >C10-C28*	<10.0	10.0	03/16/2020	ND	231	115	200	1.91	
EXT DRO >C28-C36	<10.0	10.0	03/16/2020	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/09/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP3 @ 6' (H000791-22)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	03/17/2020	ND	432	108	400	3.77		

**Sample ID: SP3 @ 7' (H000791-23)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/17/2020	ND	432	108	400	3.77		

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/09/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP4 @ SURFACE (H000791-24)**

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/17/2020	ND	1.74	87.2	2.00	13.3	
Toluene*	4.11	0.500	03/17/2020	ND	1.77	88.5	2.00	13.1	
Ethylbenzene*	8.53	0.500	03/17/2020	ND	1.81	90.7	2.00	12.6	
Total Xylenes*	32.4	1.50	03/17/2020	ND	5.31	88.6	6.00	12.6	
Total BTX	45.1	3.00	03/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 187 % 73.3-129

Chloride, SM4500CI-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/17/2020	ND	432	108	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*	1450	50.0	03/16/2020	ND	196	98.2	200	2.65	
DRO >C10-C28*	9990	50.0	03/16/2020	ND	191	95.3	200	3.85	
EXT DRO >C28-C36	1760	50.0	03/16/2020	ND					

Surrogate: 1-Chlorooctane 195 % 44.3-144

Surrogate: 1-Chlorooctadecane 373 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/09/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP4 @ 1' (H000791-25)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2020	ND	1.74	87.2	2.00	13.3		
Toluene*	<0.050	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1		
Ethylbenzene*	<0.050	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6		
Total Xylenes*	<0.150	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6		
Total BTX	<0.300	0.300	03/17/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/17/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2020	ND	196	98.2	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/16/2020	ND	191	95.3	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	03/16/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/09/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP4 @ 2' (H000791-26)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2020	ND	1.74	87.2	2.00	13.3		
Toluene*	<0.050	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1		
Ethylbenzene*	<0.050	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6		
Total Xylenes*	<0.150	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6		
Total BTX	<0.300	0.300	03/17/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/17/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2020	ND	196	98.2	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/16/2020	ND	191	95.3	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	03/16/2020	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/09/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP4 @ 3' (H000791-27)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/17/2020	ND	400	100	400	3.92		

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 Fax To: (575) 397-0397

Received: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/09/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP5 @ SURFACE (H000791-28)**

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2020	ND	1.74	87.2	2.00	13.3	
Toluene*	0.353	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1	
Ethylbenzene*	0.640	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6	
Total Xylenes*	3.00	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6	
Total BTX	3.99	0.300	03/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 171 % 73.3-129

Chloride, SM4500CI-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17800	16.0	03/17/2020	ND	400	100	400	3.92	

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*	225	50.0	03/16/2020	ND	196	98.2	200	2.65	
DRO >C10-C28*	18100	50.0	03/16/2020	ND	191	95.3	200	3.85	
EXT DRO >C28-C36	4360	50.0	03/16/2020	ND					

Surrogate: 1-Chlorooctane 175 % 44.3-144

Surrogate: 1-Chlorooctadecane 805 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/09/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP5 @ 1' (H000791-29)**

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	03/17/2020	ND	1.74	87.2	2.00	13.3	
Toluene*	<0.050	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1	
Ethylbenzene*	<0.050	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6	
Total Xylenes*	<0.150	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6	
Total BTX	<0.300	0.300	03/17/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2110	16.0	03/17/2020	ND	400	100	400	3.92		

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	03/16/2020	ND	196	98.2	200	2.65	
DRO >C10-C28*	79.3	10.0	03/16/2020	ND	191	95.3	200	3.85	
EXT DRO >C28-C36	13.9	10.0	03/16/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 110 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/09/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP5 @ 2' (H000791-30)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2020	ND	1.74	87.2	2.00	13.3		
Toluene*	<0.050	0.050	03/17/2020	ND	1.77	88.5	2.00	13.1		
Ethylbenzene*	<0.050	0.050	03/17/2020	ND	1.81	90.7	2.00	12.6		
Total Xylenes*	<0.150	0.150	03/17/2020	ND	5.31	88.6	6.00	12.6		
Total BTX	<0.300	0.300	03/17/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	03/17/2020	ND	400	100	400	3.92		

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	03/16/2020	ND	196	98.2	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/16/2020	ND	191	95.3	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	03/16/2020	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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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: 03/12/2020  
 Reported: 03/19/2020  
 Project Name: PURE GOLD A FED #8  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY COUNTY

Sampling Date: 03/09/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP5 @ 3' (H000791-31)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/17/2020	ND	400	100	400	3.92	

**Sample ID: SP5 @ 4' (H000791-32)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/17/2020	ND	400	100	400	3.92	

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### Notes and Definitions

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

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

---

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

(505) 393-2326 FAX (505) 393-2476				<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																																			
Company Name: <b>BBC Int</b>				P.O. #:		<div style="font-size: 2em; margin: 10px;"> CL B-Tex TEH-ext </div>																																			
Project Manager: <b>Cliff Brunson</b>				Company: <b>Oxy</b>																																					
Address: <b>P.O. Box 805</b>				Attn: <b>W. Dittich</b>																																					
City: <b>Nobbs</b>		State: <b>NM</b>		Zip: <b>89240</b>																																					
Phone #: <b>575-397-2358</b>		Fax #: <b>575-397-0397</b>		Address:																																					
Project #:		Project Owner: <b>Oxy</b>		City:																																					
Project Name: <b>Eddy County</b>				State:      Zip:																																					
Project Location: <b>Pure Gold A Fed #8</b>				Phone #:																																					
Sampler Name: <b>S. Rendon Jr.</b>				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													
H000791												✓								✓						3-6-20		9:00		✓											
1		SP @ Nobbs																										9:12		✓											
2		SP @ East																										9:22		✓											
3		SP @ West																										9:33		✓											
4		SP @ South																										9:47		✓											
5		SP 1 @ Surface																										10:05		✓											
6		SP 1 @ 1'																										10:17		✓											
7		SP 1 @ 2'																										10:35		✓											
8		SP 1 @ 3'																										10:48		✓											
9		SP 1 @ 4'																										11:10		✓											
10		SP 2 @ Surface																																							

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

Relinquished By:		Date: <b>3</b>		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
						REMARKS:			
Relinquished By:		Date: <b>5-12-20</b>		Received By:					
		Time: <b>1655</b>							
Delivered By: (Circle One)				Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other: <b>-4.1°C #113</b>				Cool Intact		(Initials) <b>YO</b>			
				<input type="checkbox"/> Yes <input type="checkbox"/> No					

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



## • CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By:		Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
		Time:		Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
				REMARKS:			
Relinquished By:		Date:	Received By:				
		Time:					
Delivered By: (Circle One)							
Sampler - UPS - Bus - Other:			Sample Condition				
			Cool Intact				
			<input type="checkbox"/> Yes <input type="checkbox"/> Yes				
			<input type="checkbox"/> No <input type="checkbox"/> No				
			CHECKED BY:				
			(Initials)				

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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

Page 32 of 33

BILL TO										ANALYSIS REQUEST									
Company Name: <u>BBC Int</u>										P.O. #:									
Project Manager: <u>Cliff Brunson</u>										Company: <u>Oxy</u>									
Address: <u>PO Box 805</u>										Attn: <u>W. Dittich</u>									
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>										Address:									
Phone #: <u>505-397-6388</u> Fax #: <u>505-397-0397</u>										City:									
Project #: _____ Project Owner: <u>Oxy</u>										State: _____ Zip: _____									
Project Name: <u>Eddy County</u>										Phone #:									
Project Location: <u>Pure Gold A #15</u>										Fax #:									
Sampler Name: _____																			
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING													
Lab I.D.	Sample I.D.	(GRAB OR C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	CL	B-Tex	TPA - Ext		
<u>H000791</u>																			
<u>21</u>	<u>SP 3 @ 5'</u>	<u>1</u>	<u>1</u>			<u>1</u>					<u>✓</u>		<u>3-9-20</u>	<u>9:15</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		
<u>22</u>	<u>SP 3 @ 6'</u>													<u>9:35</u>	<u>✓</u>				
<u>23</u>	<u>SP 3 @ 7'</u>													<u>9:52</u>	<u>✓</u>				
<u>24</u>	<u>SP 4 @ Surface</u>													<u>10:15</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		
<u>25</u>	<u>SP 4 @ 1'</u>													<u>10:32</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		
<u>26</u>	<u>SP 4 @ 2'</u>													<u>10:45</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		
<u>27</u>	<u>SP 4 @ 3'</u>													<u>11:05</u>	<u>✓</u>				
<u>28</u>	<u>SP 5 @ Surface</u>													<u>11:30</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		
<u>29</u>	<u>SP 5 @ 1'</u>													<u>11:52</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		
<u>30</u>	<u>SP 5 @ 2'</u>													<u>12:45</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>		

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Relinquished By:	Date:	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: <u>3-12-20</u>	Received By:	REMARKS:	
	Time: <u>1655</u>			
Delivered By: (Circle One)		Sample Condition		
		Cool Intact		
		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Sampler - UPS - Bus - Other: <u>-4.1c #113</u>		CHECKED BY: (Initials)		
		<u>7.0</u>		

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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**

Page 33 of 33

Company Name: <u>BBC Int</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager: <u>Cliff Brunson</u>				P.O. #:																							
Address: <u>PO Box 805</u>				Company: <u>Oxy</u>																							
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn: <u>W. Pittsrich</u>																							
Phone #: <u>575-397-6398</u> Fax #: <u>575-397-0397</u>				Address:																							
Project #: _____ Project Owner: <u>Oxy</u>				City:																							
Project Name: <u>Eddy County</u>				State: _____ Zip: _____																							
Project Location: <u>Puro Gold A Fed #8</u>				Phone #: _____																							
Sampler Name: _____				Fax #: _____																							
FOR LAB USE ONLY																											
Lab I.D.	Sample I.D.	(GRAB OR C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING																	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
<u>H000791</u>																											
<u>31</u>	<u>SR 5 @ 3'</u>	<u>1</u>	<u>1</u>			<u>1</u>				<u>✓</u>			<u>3-9-20</u>	<u>1:10</u>	<u>X</u>	<u>cl</u>	<u>B-Tex</u>	<u>TEH - Ext</u>									
<u>32</u>	<u>SR 5 @ 4'</u>	<u>1</u>	<u>1</u>			<u>1</u>				<u>✓</u>			<u>3-9-20</u>	<u>1:30</u>	<u>X</u>												

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Relinquished By:	Date:	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: <u>3-12-20</u>	Received By: <u>[Signature]</u>	REMARKS:	
	Time: <u>1655</u>			
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other: <u>-4.1c #113</u>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	<u>TO</u>		

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Form C-141

State of New Mexico  
Oil Conservation Division

Page 5

Incident ID	NRM2004438802
District RP	
Facility ID	30-015-35296
Application ID	

## Remediation Plan

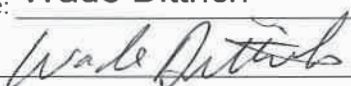
**Remediation Plan Checklist:** Each of the following items must be included in the plan.

- ☒ 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: 5-13-2020  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**Received by: Robert Hamlet Date: 6/16/2021☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Robert Hamlet Date: 6/16/2021

**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 17436

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 17436
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	The Workplan/Remediation Plan is approved with the following conditions: When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less. Please excavate samples to the first clean sample point. Excavate sample SP1 to 1', SP2 to 2', SP3 to 6', SP4 to 1', and SP5 to 2'.	6/16/2021