



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

Oxy – Pure Gold B Federal #004 (11/21/2016)

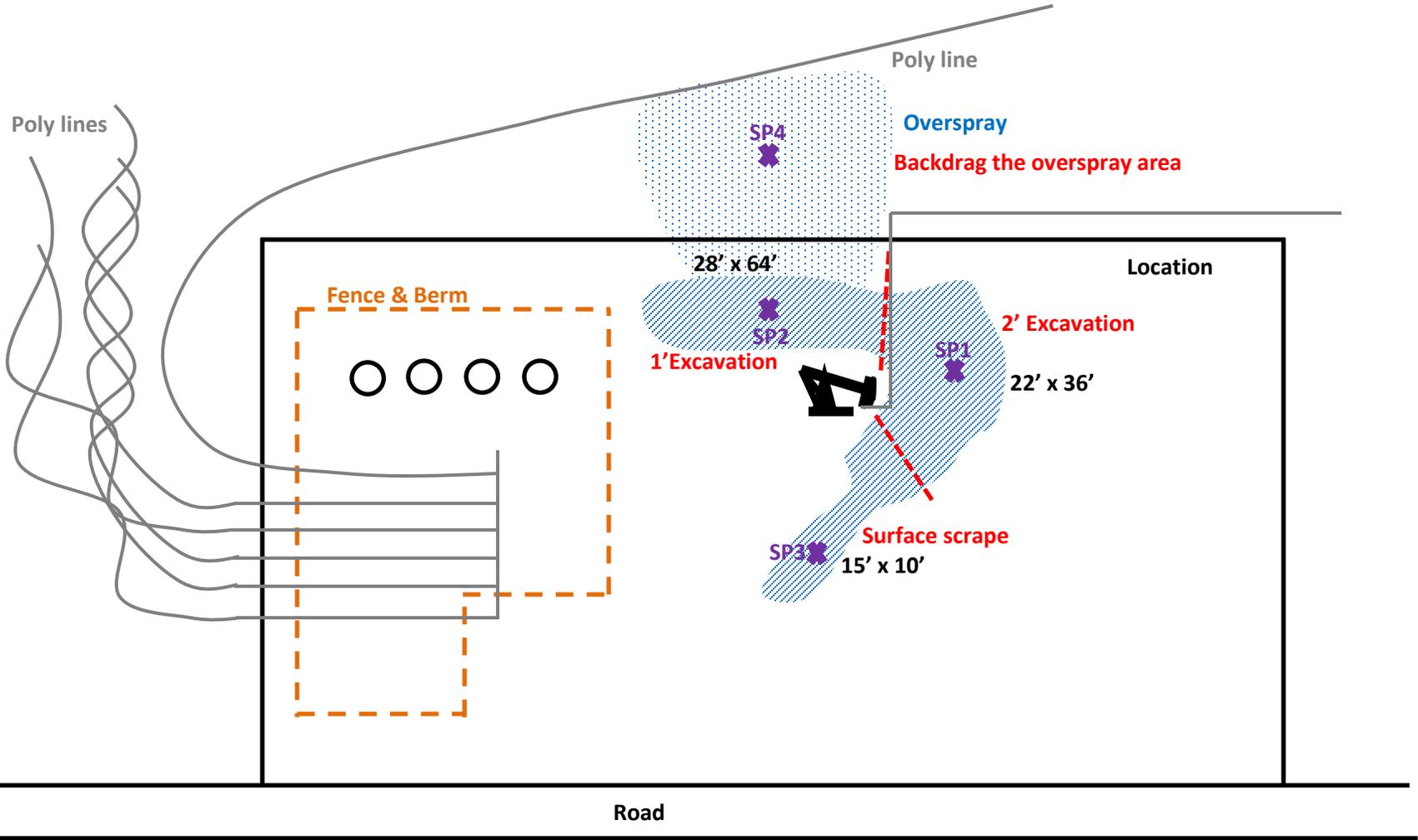
REMEDIATION PLAN, RP # 2RP-4021

Oxy will excavate the spill area as depicted on the following site diagram. The area near SP1 will be excavated to a depth 2 feet. The area around SP2 will be excavated to a depth of 1 foot. The area of SP3 will be surface-scraped. The overspray area will be back-dragged. The entire site will then be backfilled with clean soil.

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



Oxy
Pure Gold B Federal #4 (11/21/16)



U/L P, Section 20, T23S, R31E

Eddy County, NM

N 32.28449° W 103.79334°

API# 30-015-27238

BBC International, Inc.	
Oxy	
Pure Gold B Federal #4	
Date: 11/29/2016	DRWG by: K. Purvis
NOT TO SCALE	File: Oxy 2016



Groundwater Plot

OXY Pure Gold B Federal #004

County
Eddy

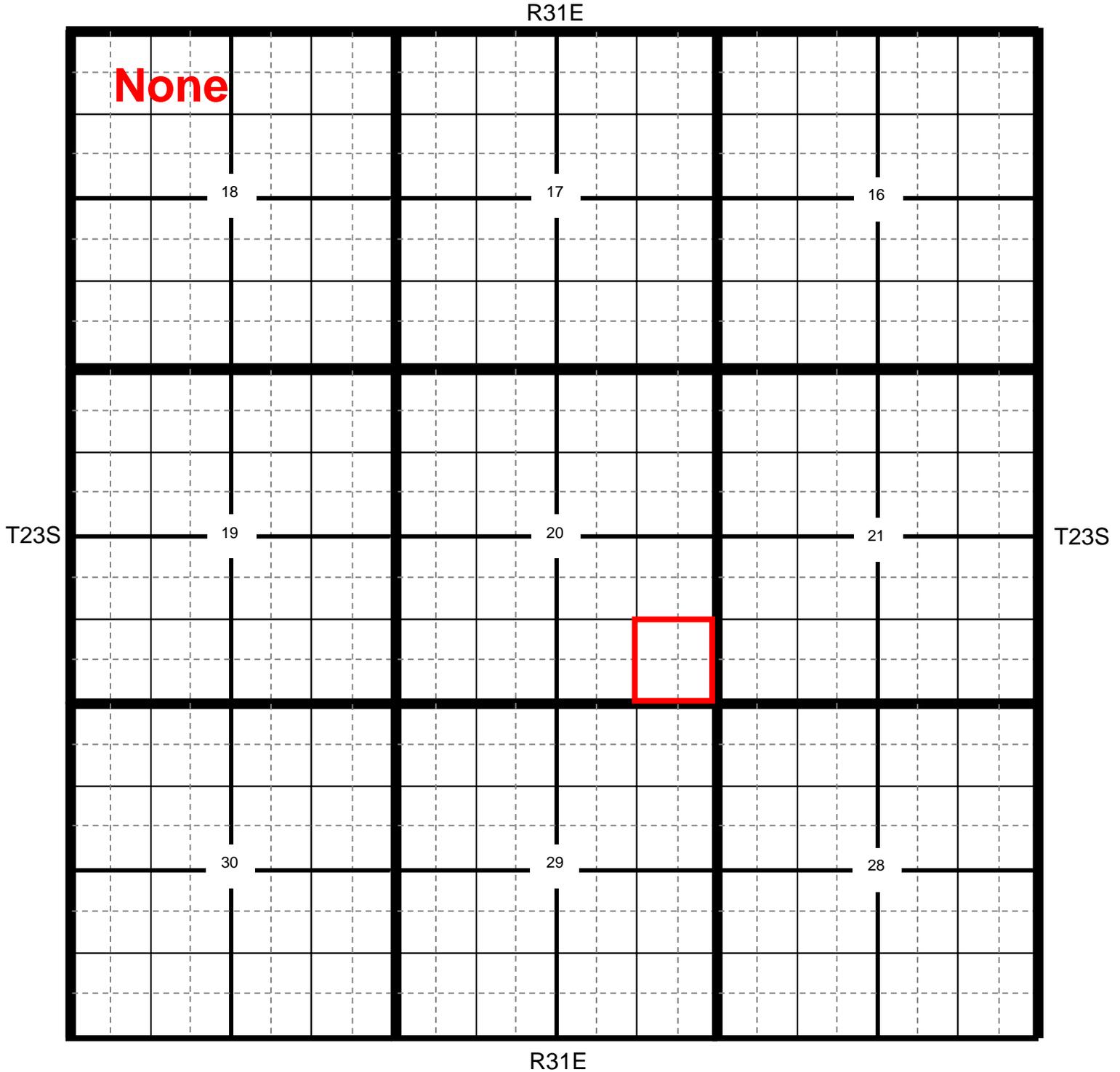
Unit Letter
P

Section
20

Township
23S

Range
31E

Trend Map 125'-150'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Pure Gold B Federal #004

County Eddy **Unit Letter** P **Section** 20 **Township** 23S **Range** 31E

Trend Map 125'-150'

1

2

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

3

4

📍 Location

● OCD

● USGS

● SEO

● All Databases

**Laboratory Analytical Results Summary
Pure Gold B Federal #004**

Analyte	Method	Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
		Date	11/30/16	11/30/16	11/30/16	11/30/16
			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	SM4500CI-B		5360	1410	544	32
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	13.9

Analyte	Method	Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
		Date	11/30/16	11/30/16	11/30/16	11/30/16
			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	SM4500CI-B		1060	304	336	32
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	12.2	<10.0	<10.0

Analyte	Method	Sample	SP3 @ 1'	SP3 @ 2'
		Date	11/30/16	11/30/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500CI-B		496	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

Analyte	Method	Sample	SP4 @ 1'
		Date	11/30/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500CI-B		<16.0
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0



December 06, 2016

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 12/01/16 11:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/01/2016	Sampling Date:	11/30/2016
Reported:	12/06/2016	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP1 @ 1' (H602685-01)

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	12/05/2016	ND	2.25	113	2.00	0.931	
Toluene*	<0.050	0.050	12/05/2016	ND	2.33	117	2.00	1.15	
Ethylbenzene*	<0.050	0.050	12/05/2016	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/05/2016	ND	6.86	114	6.00	1.75	
Total BTEX	<0.300	0.300	12/05/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	12/02/2016	ND	400	100	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	12/01/2016	ND	188	93.9	200	2.53	
DRO >C10-C28	<10.0	10.0	12/01/2016	ND	198	99.0	200	2.83	

Surrogate: 1-Chlorooctane 101 % 35-147
Surrogate: 1-Chlorooctadecane 99.0 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/01/2016	Sampling Date:	11/30/2016
Reported:	12/06/2016	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP1 @ 2' (H602685-02)

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	12/05/2016	ND	2.25	113	2.00	0.931	
Toluene*	<0.050	0.050	12/05/2016	ND	2.33	117	2.00	1.15	
Ethylbenzene*	<0.050	0.050	12/05/2016	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/05/2016	ND	6.86	114	6.00	1.75	
Total BTEX	<0.300	0.300	12/05/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	12/02/2016	ND	400	100	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	12/01/2016	ND	188	93.9	200	2.53	
DRO >C10-C28	<10.0	10.0	12/01/2016	ND	198	99.0	200	2.83	

Surrogate: 1-Chlorooctane 87.9 % 35-147
Surrogate: 1-Chlorooctadecane 98.8 % 28-171

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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:	12/01/2016	Sampling Date:	11/30/2016
Reported:	12/06/2016	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP1 @ 3' (H602685-03)

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	12/05/2016	ND	2.25	113	2.00	0.931	
Toluene*	<0.050	0.050	12/05/2016	ND	2.33	117	2.00	1.15	
Ethylbenzene*	<0.050	0.050	12/05/2016	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/05/2016	ND	6.86	114	6.00	1.75	
Total BTEX	<0.300	0.300	12/05/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	12/02/2016	ND	400	100	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	12/01/2016	ND	188	93.9	200	2.53	
DRO >C10-C28	<10.0	10.0	12/01/2016	ND	198	99.0	200	2.83	

Surrogate: 1-Chlorooctane 88.4 % 35-147
Surrogate: 1-Chlorooctadecane 100 % 28-171

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

Received:	12/01/2016	Sampling Date:	11/30/2016
Reported:	12/06/2016	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP1 @ 4' (H602685-04)

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	12/05/2016	ND	2.25	113	2.00	0.931	
Toluene*	<0.050	0.050	12/05/2016	ND	2.33	117	2.00	1.15	
Ethylbenzene*	<0.050	0.050	12/05/2016	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/05/2016	ND	6.86	114	6.00	1.75	
Total BTEX	<0.300	0.300	12/05/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.6-140

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	12/02/2016	ND	400	100	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	12/02/2016	ND	208	104	200	6.13	
DRO >C10-C28	13.9	10.0	12/02/2016	ND	225	113	200	3.55	

Surrogate: 1-Chlorooctane 83.4 % 35-147

Surrogate: 1-Chlorooctadecane 98.1 % 28-171

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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:	12/01/2016	Sampling Date:	11/30/2016
Reported:	12/06/2016	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP2 @ 1' (H602685-05)

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	12/05/2016	ND	2.25	113	2.00	0.931		
Toluene*	<0.050	0.050	12/05/2016	ND	2.33	117	2.00	1.15		
Ethylbenzene*	<0.050	0.050	12/05/2016	ND	2.26	113	2.00	1.82		
Total Xylenes*	<0.150	0.150	12/05/2016	ND	6.86	114	6.00	1.75		
Total BTEX	<0.300	0.300	12/05/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	12/02/2016	ND	400	100	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	12/02/2016	ND	208	104	200	6.13		
DRO >C10-C28	<10.0	10.0	12/02/2016	ND	225	113	200	3.55		

Surrogate: 1-Chlorooctane 96.1 % 35-147
Surrogate: 1-Chlorooctadecane 103 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/01/2016	Sampling Date:	11/30/2016
Reported:	12/06/2016	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP2 @ 2' (H602685-06)

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	12/05/2016	ND	2.25	113	2.00	0.931	
Toluene*	<0.050	0.050	12/05/2016	ND	2.33	117	2.00	1.15	
Ethylbenzene*	<0.050	0.050	12/05/2016	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/05/2016	ND	6.86	114	6.00	1.75	
Total BTEX	<0.300	0.300	12/05/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 73.6-140

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	12/02/2016	ND	400	100	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	12/02/2016	ND	208	104	200	6.13	
DRO >C10-C28	12.2	10.0	12/02/2016	ND	225	113	200	3.55	

Surrogate: 1-Chlorooctane 81.5 % 35-147

Surrogate: 1-Chlorooctadecane 91.4 % 28-171

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/01/2016	Sampling Date:	11/30/2016
Reported:	12/06/2016	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP2 @ 3' (H602685-07)

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	12/05/2016	ND	2.25	113	2.00	0.931		
Toluene*	<0.050	0.050	12/05/2016	ND	2.33	117	2.00	1.15		
Ethylbenzene*	<0.050	0.050	12/05/2016	ND	2.26	113	2.00	1.82		
Total Xylenes*	<0.150	0.150	12/05/2016	ND	6.86	114	6.00	1.75		
Total BTEX	<0.300	0.300	12/05/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	12/02/2016	ND	400	100	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	12/02/2016	ND	208	104	200	6.13		
DRO >C10-C28	<10.0	10.0	12/02/2016	ND	225	113	200	3.55		

Surrogate: 1-Chlorooctane 86.9 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/01/2016	Sampling Date:	11/30/2016
Reported:	12/06/2016	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP2 @ 4' (H602685-08)

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	12/06/2016	ND	2.25	113	2.00	0.931	
Toluene*	<0.050	0.050	12/06/2016	ND	2.33	117	2.00	1.15	
Ethylbenzene*	<0.050	0.050	12/06/2016	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/06/2016	ND	6.86	114	6.00	1.75	
Total BTEX	<0.300	0.300	12/06/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 73.6-140

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	12/02/2016	ND	400	100	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	12/02/2016	ND	208	104	200	6.13	
DRO >C10-C28	<10.0	10.0	12/02/2016	ND	225	113	200	3.55	

Surrogate: 1-Chlorooctane 85.2 % 35-147

Surrogate: 1-Chlorooctadecane 99.0 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/01/2016	Sampling Date:	11/30/2016
Reported:	12/06/2016	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP3 @ 1' (H602685-09)

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	12/06/2016	ND	2.25	113	2.00	0.931	
Toluene*	<0.050	0.050	12/06/2016	ND	2.33	117	2.00	1.15	
Ethylbenzene*	<0.050	0.050	12/06/2016	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/06/2016	ND	6.86	114	6.00	1.75	
Total BTEX	<0.300	0.300	12/06/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	12/02/2016	ND	400	100	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	12/02/2016	ND	208	104	200	6.13	
DRO >C10-C28	<10.0	10.0	12/02/2016	ND	225	113	200	3.55	

Surrogate: 1-Chlorooctane 89.1 % 35-147
Surrogate: 1-Chlorooctadecane 104 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/01/2016	Sampling Date:	11/30/2016
Reported:	12/06/2016	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP3 @ 2' (H602685-10)

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	12/06/2016	ND	2.25	113	2.00	0.931		
Toluene*	<0.050	0.050	12/06/2016	ND	2.33	117	2.00	1.15		
Ethylbenzene*	<0.050	0.050	12/06/2016	ND	2.26	113	2.00	1.82		
Total Xylenes*	<0.150	0.150	12/06/2016	ND	6.86	114	6.00	1.75		
Total BTEX	<0.300	0.300	12/06/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 73.6-140

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	12/02/2016	ND	400	100	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	12/02/2016	ND	182	90.9	200	1.79	QR-03	
DRO >C10-C28	<10.0	10.0	12/02/2016	ND	192	96.0	200	2.43	QR-03	

Surrogate: 1-Chlorooctane 69.6 % 35-147

Surrogate: 1-Chlorooctadecane 71.0 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	12/01/2016	Sampling Date:	11/30/2016
Reported:	12/06/2016	Sampling Type:	Soil
Project Name:	PURE GOLD B FED #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP4 @ 1' (H602685-11)

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	12/06/2016	ND	2.25	113	2.00	0.931	
Toluene*	<0.050	0.050	12/06/2016	ND	2.33	117	2.00	1.15	
Ethylbenzene*	<0.050	0.050	12/06/2016	ND	2.26	113	2.00	1.82	
Total Xylenes*	<0.150	0.150	12/06/2016	ND	6.86	114	6.00	1.75	
Total BTEX	<0.300	0.300	12/06/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 73.6-140

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	12/02/2016	ND	400	100	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	12/02/2016	ND	182	90.9	200	1.79	
DRO >C10-C28	<10.0	10.0	12/02/2016	ND	192	96.0	200	2.43	

Surrogate: 1-Chlorooctane 82.7 % 35-147
Surrogate: 1-Chlorooctadecane 84.5 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report



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

1082

Company Name: BBC International, Inc. **BILL TO** ANALYSIS REQUEST

Project Manager: Cliff Brunson P.O. #:
 Address: P.O. Box 805 Company: Oxy
 City: Hobbs State: NM zip: 88241 Attn: Casey Summers
 Phone #: 575-397-6388 Fax #: 575-397-0397 Address:
 Project #: Project Owner: Oxy City:
 Project Name: Pure Gold B Federal #004 State: Zip:
 Project Location: Eddy County, NM Phone #:
 Sampler Name: Jeff Ornelas Fax #:

FOR LAB USE ONLY	MATRIX	PRESERV	SAMPLING	DATE	TIME	ANALYSIS
Lab I.D. Sample I.D.						
SP1 @ 1'	(G)RAB OR (C)OMP.			11/30/16	8:45 AM	BTEX
01 SP1 @ 2'	# CONTAINERS			11/30/16	9:11 AM	CI
02 SP1 @ 3'	GROUNDWATER			11/30/16	9:33 AM	TPH
03 SP1 @ 4'	WASTEWATER			11/30/16	9:49 AM	
04 SP2 @ 1'	SOIL			11/30/16	10:20 AM	
05 SP2 @ 2'	OIL			11/30/16	10:33 AM	
06 SP2 @ 3'	SLUDGE			11/30/16	10:59 AM	
07 SP2 @ 4'	OTHER :			11/30/16	11:37 AM	
08 SP3 @ 1'	ACID/BASE:			11/30/16	1:11 PM	
09 SP3 @ 2'	ICE / COOL			11/30/16	1:40 PM	
10 SP3 @ 2'	OTHER :					

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Relinquished By: *Casey Summers* Date: *11/30/16* Time: *4:30 pm* Received By: *Jeff Ornelas*

Relinquished By: *Casey Summers* Date: *11/30/16* Time: *1:50* Received By: *Jeff Ornelas*

Delivered By: (Circle One) **#75** *140* Sample Condition: Intact Cool Yes No Yes No

Sampler - UPS - Bus - Other: CHECKED BY: *Jeff Ornelas*

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

† 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

2082

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #:
 Project Manager: Cliff Brunson Company: *OK*
 Address: P.O. Box 805 Attn: *Casay Summers*
 City: Hobbs State: NM Zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: OXY
 Project Name: Pure Gold B Federal #004 City:
 Project Location: Eddy County, NM State: Zip:
 Sampler Name: Jeff Ornelas Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	✓	BTEX	CI	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :								
<i>H402685-11</i>	SP4 @ 1'	<i>G</i>	<i>1</i>			<input checked="" type="checkbox"/>						<i>11/30/16</i>	<i>2:27 PM</i>	<input checked="" type="checkbox"/>	<i>✓</i>	<i>✓</i>	<i>✓</i>
<i>3912119</i>																	

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Relinquished By: *Jeff Ornelas* Date: *11/30/16* Time: *9:30am* Received By: *Patricia Henderson*
 Relinquished By: *Jeff Ornelas* Date: *11/16/16* Time: *11:50* Received By: *Patricia Henderson*
 Delivered By: (Circle One) UPS - Bus - Other: *#75* 1.42
 Sample Condition: Cool Intact Yes No
 CHECKED BY: *JA*

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

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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Oxy Permian Ltd.	Contact	Casey Summers
Address	PO Box 4294; Houston, TX 77210	Telephone No.	(575) 513-8289
Facility Name	Pure Gold B Federal #004	Facility Type	Well
Surface Owner	BLM	Mineral Owner	API No. 30-015-27238

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	20	23S	31E					Eddy

Latitude N 32.28453° Longitude W 103.79344°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	5 bbls oil, 35 bbls produced water	Volume Recovered	20 bbls
Source of Release	Compromised flow line at the well head	Date and Hour of Occurrence	11/21/2016	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher, Heather Patterson- NMOCD; Shelly Tucker- BLM		
By Whom?	Kathy Purvis @ BBC International Inc.	Date and Hour	11/21/2016 @ 4:25 pm		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A compromised flow line at the well head caused a leak of 5 bbls of oil and 35 bbls of produced water. A vacuum truck recovered 20 bbls of fluids and the line was repaired.

Describe Area Affected and Cleanup Action Taken.*
The affected area is approximately 100' x 50' on location around the well head. Remediation will be completed in accordance with an approved remediation plan from NMOCD and the BLM.

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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Casey Summers	Approved by Environmental Specialist:		
Title: NM Environmental Advisor	Approval Date:	Expiration Date:	
E-mail Address: Casey_Summers@oxy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>11-30-16</u> Phone: (575) 513-8289			

* Attach Additional Sheets If Necessary