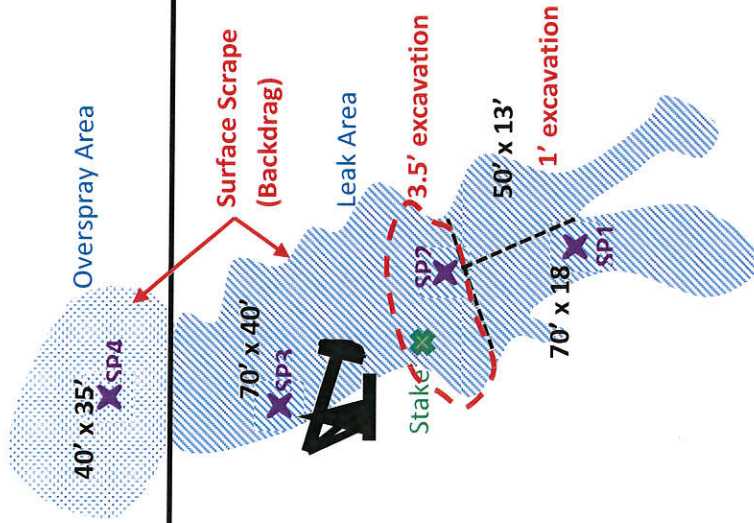




Oxy
Pure Gold A Federal #5

Pasture



Location Pad

Road

Road

U/L K, Section 21, T23S, R31E
Eddy County, NM
N 32.28827° W 103.78489°
API#30-015-35292

BBC International, Inc.

Oxy

Pure Gold A Federal #5

Date: 08/01/2014 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2014



Groundwater Plot

Oxy Pure Gold A Federal #5

County
Eddy

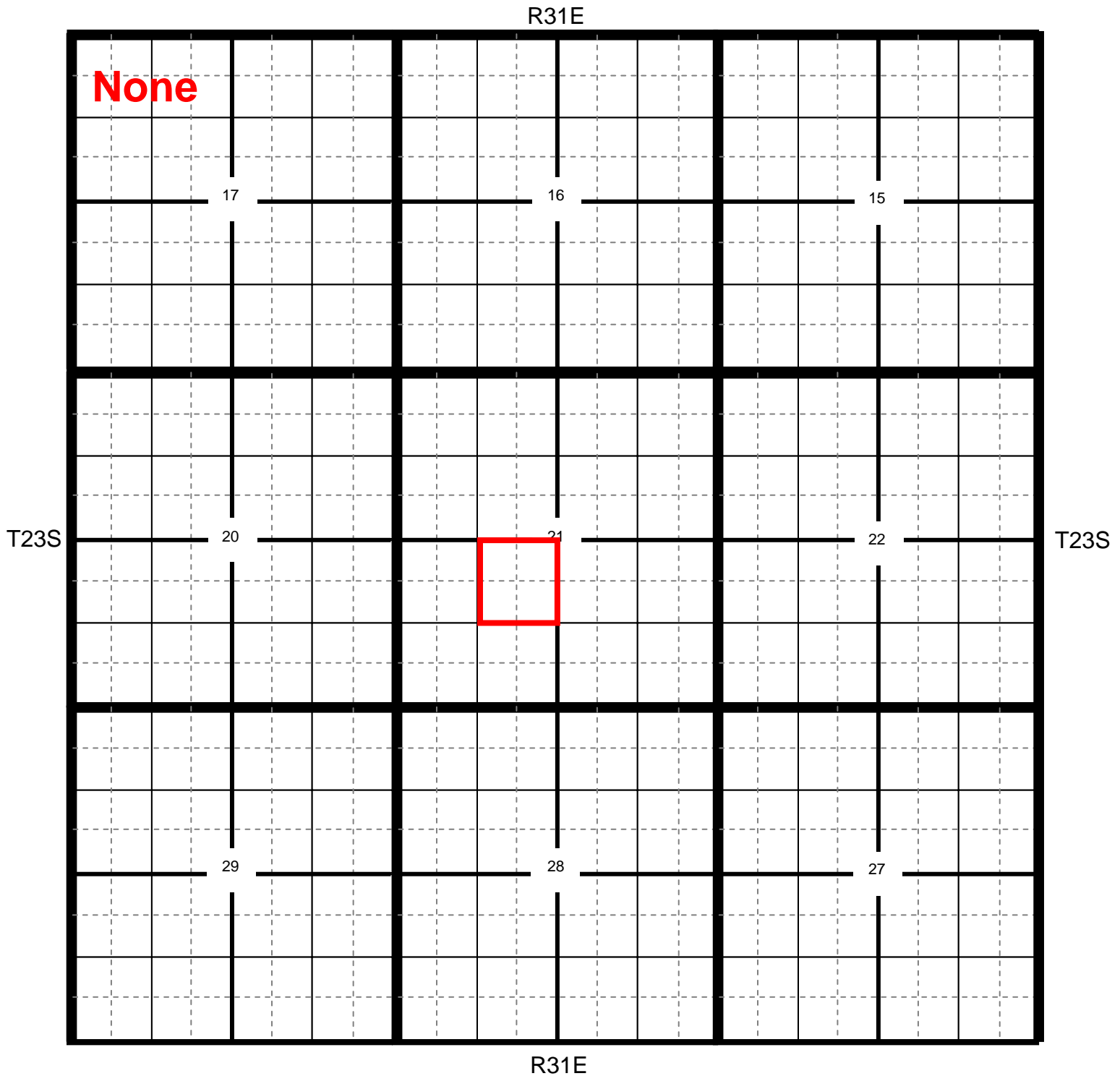
Unit Letter
K

Section
21

Township
23S

Range
31E

Trend Map 150'



Location

OCD

USGS

SEO

All Databases

Oxy Pure Gold A Federal #5

County Eddy **Unit Letter** K **Section** 21 **Township** 23S **Range** 31E

Trend Map 150'

1

2

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

3

4

Laboratory Analytical Results Summary
Pure Gold A Federal #5

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	9/16/14	9/16/14	9/16/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.328	<0.150	<0.150
Total BTEX	BTEX 8021B		0.328	<0.300	<0.300
Chloride	SM4500Cl-B		2160	<16.0	<16.0
GRO	TPH 8015M		16	<10.0	<10.0
DRO	TPH 8015M		646	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'
Analyte	Method	Date	9/16/14	9/16/14	9/16/14	10/7/14	10/7/14
			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		<0.050	<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		2240	1470	2240	<16.0	16
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	9/16/14	9/16/14	9/16/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	32	32
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample	SP4 @ SURFACE	SP4 @ 1'
Analyte	Method	Date	9/16/14	9/16/14
			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	SM4500Cl-B		7600	<16.0
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		1820	<10.0



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

September 22, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PURE GOLD A FED #5

Enclosed are the results of analyses for samples received by the laboratory on 09/16/14 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/16/2014	Sampling Date:	09/16/2014
Reported:	09/22/2014	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: SP 1 @ 1' (H402879-01)

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	09/19/2014	ND	1.75	87.5	2.00	9.29	
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7	
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48	
Total Xylenes*	0.328	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77	
Total BTX	0.328	0.300	09/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	09/22/2014	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	16.0	10.0	09/18/2014	ND	186	92.8	200	2.15	
DRO >C10-C28	646	10.0	09/18/2014	ND	193	96.7	200	3.63	

Surrogate: 1-Chlorooctane 98.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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: 09/16/2014
Reported: 09/22/2014
Project Name: PURE GOLD A FED #5
Project Number: NONE GIVEN
Project Location: OXY

Sampling Date: 09/16/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2' (H402879-02)

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	09/19/2014	ND	1.75	87.5	2.00	9.29	
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7	
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48	
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77	
Total BTEx	<0.300	0.300	09/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/22/2014	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	09/18/2014	ND	186	92.8	200	2.15	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	193	96.7	200	3.63	

Surrogate: 1-Chlorooctane 98.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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Cliff Brunson
P.O. Box 805
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Received: 09/16/2014
Reported: 09/22/2014
Project Name: PURE GOLD A FED #5
Project Number: NONE GIVEN
Project Location: OXY

Sampling Date: 09/16/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 3' (H402879-03)

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	09/19/2014	ND	1.75	87.5	2.00	9.29	
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7	
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48	
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77	
Total BTEx	<0.300	0.300	09/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/22/2014	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	09/18/2014	ND	186	92.8	200	2.15	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	193	96.7	200	3.63	

Surrogate: 1-Chlorooctane 94.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/16/2014
Reported: 09/22/2014
Project Name: PURE GOLD A FED #5
Project Number: NONE GIVEN
Project Location: OXY

Sampling Date: 09/16/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1' (H402879-04)

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	09/19/2014	ND	1.75	87.5	2.00	9.29	
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7	
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48	
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77	
Total BTEX	<0.300	0.300	09/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	09/22/2014	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	09/18/2014	ND	186	92.8	200	2.15	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	193	96.7	200	3.63	

Surrogate: 1-Chlorooctane 99.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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Received:	09/16/2014	Sampling Date:	09/16/2014
Reported:	09/22/2014	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: SP 2 @ 2' (H402879-05)

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	09/19/2014	ND	1.75	87.5	2.00	9.29		
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7		
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48		
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77		
Total BTEX	<0.300	0.300	09/19/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	09/22/2014	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	09/18/2014	ND	186	92.8	200	2.15	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	193	96.7	200	3.63	

Surrogate: 1-Chlorooctane 98.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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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: 09/16/2014
 Reported: 09/22/2014
 Project Name: PURE GOLD A FED #5
 Project Number: NONE GIVEN
 Project Location: OXY

 Sampling Date: 09/16/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 3' (H402879-06)

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	09/19/2014	ND	1.75	87.5	2.00	9.29		
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7		
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48		
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77		
Total BTEx	<0.300	0.300	09/19/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	09/22/2014	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	09/18/2014	ND	186	92.8	200	2.15	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	193	96.7	200	3.63	

Surrogate: 1-Chlorooctane 99.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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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: 09/16/2014
Reported: 09/22/2014
Project Name: PURE GOLD A FED #5
Project Number: NONE GIVEN
Project Location: OXY

Sampling Date: 09/16/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1' (H402879-07)

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	09/19/2014	ND	1.75	87.5	2.00	9.29		
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7		
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48		
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77		
Total BTEx	<0.300	0.300	09/19/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/22/2014	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	09/18/2014	ND	186	92.8	200	2.15	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	193	96.7	200	3.63	

Surrogate: 1-Chlorooctane 96.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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*=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:	09/16/2014	Sampling Date:	09/16/2014
Reported:	09/22/2014	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: SP 3 @ 2' (H402879-08)

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	09/19/2014	ND	1.75	87.5	2.00	9.29		
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7		
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48		
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77		
Total BTEX	<0.300	0.300	09/19/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/22/2014	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	09/18/2014	ND	186	92.8	200	2.15	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	193	96.7	200	3.63	

Surrogate: 1-Chlorooctane 98.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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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: 09/16/2014
Reported: 09/22/2014
Project Name: PURE GOLD A FED #5
Project Number: NONE GIVEN
Project Location: OXY

Sampling Date: 09/16/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 3' (H402879-09)

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	09/19/2014	ND	1.75	87.5	2.00	9.29		
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7		
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48		
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77		
Total BTEx	<0.300	0.300	09/19/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/22/2014	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	09/18/2014	ND	186	92.8	200	2.15	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	193	96.7	200	3.63	

Surrogate: 1-Chlorooctane 97.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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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:	09/16/2014	Sampling Date:	09/16/2014
Reported:	09/22/2014	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: SP 4 @ SURFACE (H402879-10)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2014	ND	1.75	87.5	2.00	9.29		
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7		
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48		
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77		
Total BTX	<0.300	0.300	09/19/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	09/22/2014	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	<50.0	50.0	09/18/2014	ND	198	99.0	200	1.15	
DRO >C10-C28	1820	50.0	09/18/2014	ND	189	94.4	200	9.12	

Surrogate: 1-Chlorooctane 92.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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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: 09/16/2014
Reported: 09/22/2014
Project Name: PURE GOLD A FED #5
Project Number: NONE GIVEN
Project Location: OXY

Sampling Date: 09/16/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 @ 1' (H402879-11)

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	09/19/2014	ND	1.75	87.5	2.00	9.29	
Toluene*	<0.050	0.050	09/19/2014	ND	1.66	82.8	2.00	10.7	
Ethylbenzene*	<0.050	0.050	09/19/2014	ND	1.56	78.1	2.00	9.48	
Total Xylenes*	<0.150	0.150	09/19/2014	ND	4.63	77.2	6.00	8.77	
Total BTEX	<0.300	0.300	09/19/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/22/2014	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	09/18/2014	ND	198	99.0	200	1.15	
DRO >C10-C28	<10.0	10.0	09/18/2014	ND	189	94.4	200	9.12	

Surrogate: 1-Chlorooctane 85.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 85.3 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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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Celey D. Keene, Lab Director/Quality Manager

ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

October 15, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PURE GOLD A FED #5

Enclosed are the results of analyses for samples received by the laboratory on 10/10/14 13:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 10/10/2014
Reported: 10/15/2014
Project Name: PURE GOLD A FED #5
Project Number: NONE GIVEN
Project Location: OXY

Sampling Date: 10/07/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: SP 2 @ 4' (H403125-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/14/2014	ND	400	100	400	3.92	

Sample ID: SP 2 @ 5' (H403125-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/14/2014	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: Pure Gold # Fed #5

Project Location:

Sampler Name: Price Brunson

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

#443305

SP2041
SP2051

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

CL

1130

1200

✓

✓

✓

✓

✓

✓

✓

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BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

PRESERV.

SAMPLING

Relinquished By: *[Signature]*

Date: 10/10/14
Time: 100

Received By: *[Signature]*

Date: 10/10/14
Time: 100

Received By: *[Signature]*

Date: 10/10/14
Time: 100

Received By: *[Signature]*

Date: 10/10/14
Time: 100

Received By: *[Signature]*

Date: 10/10/14
Time: 100

Received By: *[Signature]*

Date: 10/10/14
Time: 100

Delivered By: (Circle One)

Sampler - UPS - Bus - Other: -0.26

Sample Condition

Cool Intact

Yes ☒ No ☐

CHECKED BY: *[Signature]*

(Initials)

CP

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

#54

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	Chancey Summers
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8216
Facility Name	Pure Gold A Federal #5	Facility Type	Well location

Surface Owner	BLM	Mineral Owner		API No.	30-015-35292
---------------	-----	---------------	--	---------	--------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	21	23S	31E	2040	South	1980	West	Eddy County, NM

Latitude N 32.28827° Longitude W 103.78489°

NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	15 bbls oil, 20 bbls water	Volume Recovered	0 bbls
Source of Release	Stuffing box leak on well head	Date and Hour of Occurrence	07/17/2014	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, NMOCD and Sol Hughes, BLM		
By Whom?	Kathy Purvis, BBC International	Date and Hour	07/18/2014 @ 9:25 am		
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.*

The packing in the stuffing box on the well head was compromised and leaked 15 bbls of oil and 20 bbls of produced water onto the ground. No fluids were recovered and the packing in the stuffing box was replaced.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 150' x 40' both on and off location. The leak is mostly on the pad around and south of the well head with some overspray reaching into the pasture on the north side of the location. Remediation will be completed in accordance with a remediation plan approved by 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: Chancey Summers	Approved by Environmental Specialist:		
Title: HES Advisor	Approval Date:	Expiration Date:	
E-mail Address: <u>Chancey.Summers@oxy.com</u>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>7-31-14</u> Phone: (575) 397-8216			

* Attach Additional Sheets If Necessary