Closure Report



	Site Description	INNOLOUN ARTITISS AT
Site Name:	Pure Gold A Federal #2	
Company:	Oxy Permian Ltd.	
Legal Description:	U/L M, Section 21, T23S, R31E	
County:	Eddy County, NM	
GPS Coordinates:	N 32.28428° W 103.79005°	

Release Data

Date of Release:	02/08/2013 and 03/05/2013
Type of Release:	Leak 1- Oil and produced water, Leak 2- Oil
Source of Release:	Leak 1- Flex coupling broke, Leak 2- Tank overflow
Volume of Release:	Leak 1- 15 bbls water, 0.5 bbls oil; Leak 2 - 15 bbls oil
Volume Recovered:	Leak 1- 7bbls, Leak 2- 0 bbls

	Remediatio	n Specifications
Remediation Parameters:		tire leak area inside the firewall to a depth of 2 tom samples. Backfill the excavation area with
Remediation Activities:	10/10/2013 to 1	1/01/2013
Plan Sent to OCD:	09/21/2013	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	10/04/2013	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	09/21/2013	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	09/23/2013	Email from J. Van Curen to Cliff Brunson

	Supporting Documentation
Initial C-141	Both Signed 03/12/2013
Final C-141	Both Signed 11/05/2013
Site Diagram	February 2013 and March 2013
Groundwater Plot	150'
TOPO Maps	March 2013
Lab Summary	02/26/2013, 03/27/2013-03/28/2013, and 10/17/2013
Lab Analysis	02/26/2013, 03/27/2013-03/28/2013, and 10/17/2013
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

11/06/2013

District 1 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Azteo, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

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Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

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Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

			Rel	ease Notifi	cation	1 and Co	orrective A	ction				
		·····				OPERA'	The second s		🛛 Initi	al Report	Final	Repor
Name of C Address		Oxy Permia tanolind Rd,		NA		Contact C Telephone I	J Summers No. (575) 397	0016				
Facility Na		Gold A Fed				Facility Typ		-6210				
							<u> </u>			1- 2727.00	160	
Surface Ow	ner BLI	VI		Mineral C	Jwner				Lease	No. NM 38	404	
,		• • • • • • • • • • • • • • • • • • •		the second s		OF RE		,				
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/W	est Line	County		
м	21	238	31E							Eddy		
]	Latitude <u>N 32,2</u>		-	ide <u>W 103.7900</u>)5				
Type of Rele		nd Produced v	unter	NAI	URE	OF RELI		<u> </u>	1(0)	Recovered	7 bbls	
						Volume of water and (Release 15 bbl).5 bbls skim oil	3	A OTHING I	Recuvered	1 0015	
ł			KC ON WED	er transfer pump		Date and H 2/08/13	our of Occurrenc	e	Date and	Hour of Dis	covery	
Was (mmedia	te Notice G		Yes 🗌	No 🗌 Not Re	equired	If YES, To Mike Brate	Whom? her- OCD; James	Amos 8	k Jonnifer	Van Curen-	BLM .	
By Whom?	Chancey S						our 2/11/13@					
Was a Water		۵	Yes 🛛			lfYES, Vo	lume Impacting t	he Water	rcourse.			_
If a Watercou	rse was Imp	pacted, Descri	be Fully.*						R	ECE	IVED	
	<u>.</u>						·`			NOV O	8 2013	Ì
Describe Cau											ARTESIA	
via vacuum tr				d caused 15 bbls c	ot water	and 0.5 bbl o	f skim oil to leak	onto the	ground.	7 6615 of thui	d were recover	.'ed
Describe Area	Affected a	nd Cleanup A	ction Tak	ea.*	<u></u>		<u></u>					
via vacuum tr	uck. The co	oupling was re	paired. R	d caused 15 bbls o emediation will b	e perfori	ned in accord	iance with an OC	D and B	LM appro	yed remedia	tion plan.	
regulations all public health should their o	operators a or the enviro perations ha mont. In ad	re required to priment. The a we failed to ad idition, NMOC	report and receptance lequately CD accept	is true and comple d/or file certain re e of a C-141 report investigate and re ance of a C-141 re	lease noi t by the mediate	tifications an NMOCD ma contaminatic	d perform correct rked as "Final Re u that pose a thre the operator of re	ive actio port" do at to gro esponsib	ns for rele es not reli und water ility for co	eases which i eve the open , surface wai ounpliance w	may endanger ator of liability ter, human hea ith any other	,
5		\sum)				OIL CONS	ERV/	TION	DIVISIO	<u>N</u>	1
Signature:			\leq									}
Printed Name:	Chancey	Summers				pproved by I	District Superviso	т: — т				
Title: HES	Specialist				A	pproval Date	:	Ex	piration f	Date:		
E-mail Addres		ey.Summers@		ue: (575) 397-8216	C	onditions of .				Attached	٦	

* Attach Additional Sheets If Necessary

District I 1625 N. Freach Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87503

State of New Mexico Energy Minerals and Natural Resources

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Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

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Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

			Rel	ease Notifi	catio	a and Co	orrective A	.ction	1			
					·	OPERA			🛛 Initi	al Report		Final Report
Name of Co		Oxy Permia					CJ Summers		· · · · · · · · · · · · · · · · · · ·			······································
Address Facility Nat		tanolind Rd, Gold A Fede				Telephone I Facility Typ		-8216	<u></u>			
						cachiny 19	Se Gamernig					
Surface Ow	mer BLN	4		Mineral (Dwner				Leaso l	No. NM 38	464	·····
						OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/W	Vest Line	County		
<u>M</u>	21	235	31E	660	[South	330	<u>v</u>	Vest	Eddy	·	
	•		1	Latitude <u>N 32.2</u>	2 <u>8428</u> °	Longita	ude <u>W 103,790(</u>	<u>)5</u>				
				NAT	URE	OF REL						
Type of Rele						Volume of				Recovered	0 66	
Source of Re	lease rack	overnow				Date and H 3/5/2013	lour of Occurrenc	•	Date and	Hour of Dis	covery	ŕ
Was Immedia	ate Notice G					If YES, To		£				
		\boxtimes	Yes 🗌	No 🗌 Not Re	quired	Mike Brate	her- OCD; James	Amos á	& Jennifer	Van Curen-	BLM	
By Whom?						Date and I						
Was a Water	course Reac		Yes 🛛	No		If YES, Vo	lume impacting t	he Wate				
If a Watercou	-			•						RECE	<u>IV</u>	ED
Describe Cau	a of D-oble	and Damas	1 k star	Talua			<u></u>			NOV O	-	
The loss of ga	s caused a t	ank overflow	spilling 1	5 bbls of oil onto	the grou	nd. No fluid	s were recovered	and the :	source of t	he release w	as cor	rected.
Describe Area	Affected at	nd Cleanup A	ction Tak	en.*								
The area affect the source of (ted is appro he release w	ximately 40' : vas corrected,	x 90'. Th Remedia	e loss of gas caus tion will be perfo	ed a tan) rmed in	coverflow sp accordance w	illing 15 bbls of a /ith an OCD and 1	il onto t BLM sp	he ground. proved ren	. No fluids we have a second sec	vere r n.	ecovered and
regulations all public health (should their oj	operators a or the environ perations hat ment. In ad-	re required to mment. The a ve failed to ad dition, NMO	report and acceptance lequately	Vor file certain re a f a C-141 report investigate and re	lease no n by the mediate	tifications an NMOCD ma contaminatio	cnowledge and un d perform correct rked as "Final Re in that pose a thre the operator of re	ive actio port" do at to gro	ons for rele as not relia and water,	ases which i eve the open , surface wai	nay er stor of er, hu	ndanger f liability man health
<u></u>		5			·····		OIL CONS	ERV	ATION	DIVISIO	N	
Signature:				\checkmark							_	
Printed Name:	Chancey	Summers			A	pproved by I	District Superviso	r:				
Titla: HES !	Specialist	<u></u>			A	pproval Date	.	E	xpiration [Date:		
E-mail Addres		y.Summers@	oxy.com		c	onditions of a	Approval:			Attached		
Date:	<u> - 51 - 5</u>	13	Phon	& (575) 397-821(6		· · · · · · · · · · · · · · · · · · ·					

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised October 10, 2003

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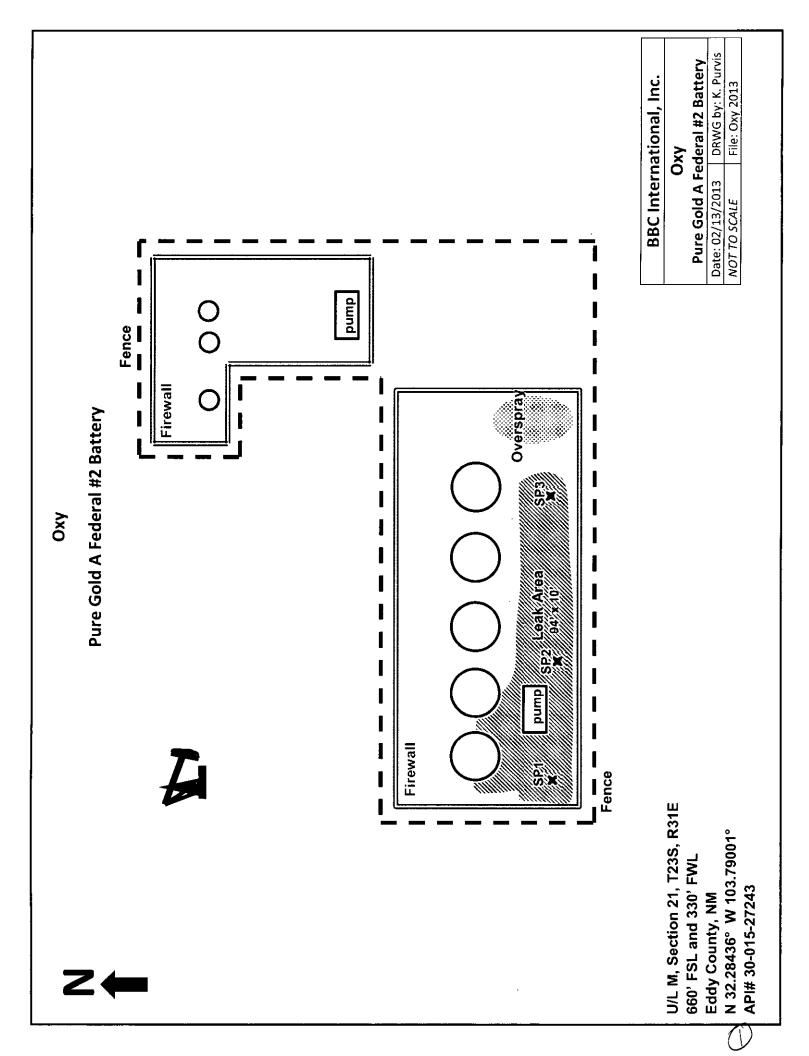
District III 1000 Rio Brazo District IV 1220 S. St. Frar	s Road, Azte	c, NM 87410	5	1220) Sou	rvation Di th St. Franc Fe, NM 875	is Dr.			Submit 2 Distric	Copies t Office with Rul	to appropriate in accordance le 116 on back side of form
· · · · ·		_	Rel	ease Notifi	catio	on and Co	orrectiv	ve A	ction			- •:
		<u>_</u>				OPERA			In	itial Report	\boxtimes	Final Report
Name of Co Address		Oxy Permia stanolind Rd.				Contact C Telephone I	CJ Summer	rs 5) 397-	8216			
Facility Na		Gold A Fed	<u> </u>			Facility Typ			-8210			
Surface Ow	ner BL	м		Mineral	Owner				Lease	No. NM 3	8464	
						N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		h/South Line	Feet from	the	East/West Line	e County		
М	21	235	31E				1			Eddy		
		·	-	Latitude <u>N 32.2</u>	28428	<u> </u>	ide <u>W 103</u>	3.7900	5			
				NAT	URE	OF REL	EASE					
Type of Rele	ase Oil a	nd Produced	water				Release		s Volum	e Recovered	7 bbls	3
Source of Re	lease Flex	Coupling bro	ke on wat	er transfer pump	<u> </u>		lour of Occ		Date ar	d Hour of Di	scovery	,
Was Immedia	ate Notice (Yes 🗖	No 🗌 Not Re	equired	If YES, To Mike Brate		James	Amos & Jennif	er Van Curen	- BLM	
By Whom?	Chancey S	Summers					lour 2/11,					
Was a Water	course Read	ched?	Yes 🛛	No		lf YES, Vo	lume Impa	cting th	e Watercourse.			-
Describe Cau Flex coupling via vacuum tr	on a water	transfer pum	p broke an	n Taken.* d caused 15 bbls	of wate	er and 0.5 bbl c	of skim oil t	to leak	NMO	V 0 8 20 CD ART	ESIA	-
Describe Area	Affected a	and Cleanup A	Action Tak	en.*								
via vacuum tr NMOCD via	uck. The c email on 10	oupling was r 0/04/2013 and nformation gi	epaired. F approved ven above	d caused 15 bbls lemediation was o by Jennifer Van is true and comp	comple Curen c lete to (ted in accordant of the BLM via the best of my	nce with the email on 0 knowledge	e remed 9/23/20 and un	iation plan appr 013. derstand that pu	roved by Mik	e Bratch	uer of
public health should their o	or the envir perations his ment. In a	conment. The ave failed to a ddition, NMO	acceptanc dequately CD accep	d/or file certain re e of a C-141 repo investigate and re ance of a C-141 r	ort by th emedia	e NMOCD ma te contaminatio	irked as "Fi on that pose	inal Rej e a threa	port" does not re at to ground wat	elieve the ope er, surface w	rator of ater, hu	liability man health
Signature:	\leq	\geq	\geq	\square			<u>OIL C</u>	ONS	ERVATION	N DIVISIO	<u>DN</u>	
Printed Name	Chance	y Summers				Approved by I	District Sup	erviso	** - * 			
Title: HES	Specialist					Approval Date): 		Expiration	n Date:		
E-mail Addres	ss: Chance 5/13	cey.Summers(Conditions of	Approval:			Attached		
Attach Addit	<u> </u>	ts If Necessa		ne: (575) 397-821	0				7	PRP-15	88	

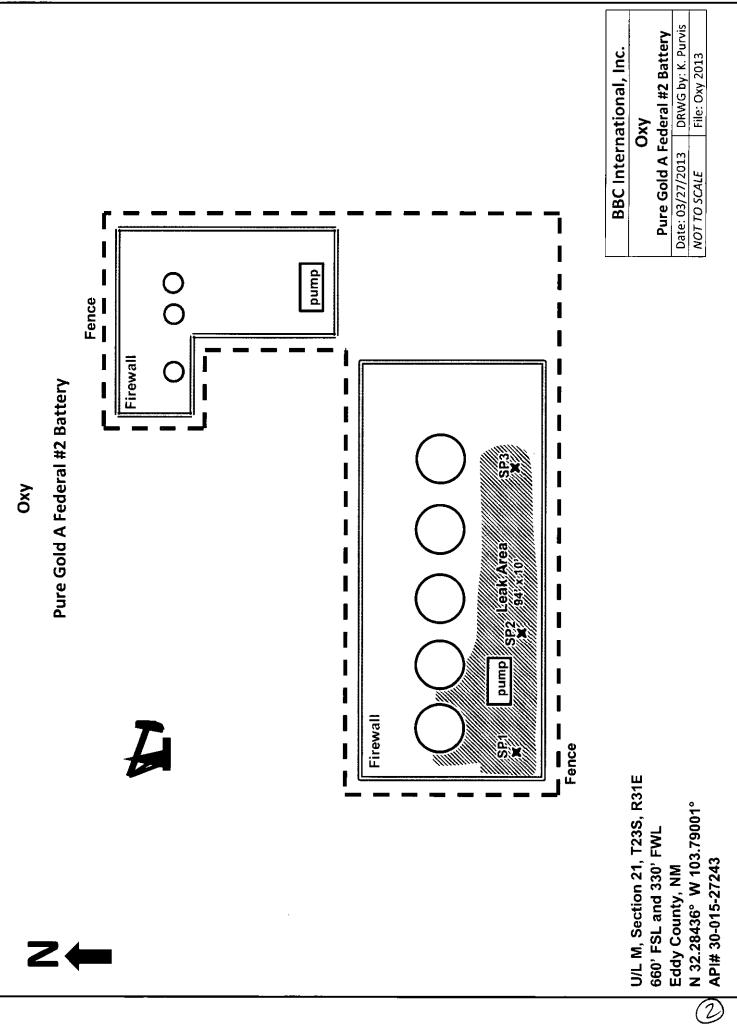
1625 N. French Dr., Hobbs, NM 88240 Energy Mineral District II Energy Mineral 1301 W. Grand Avenue, Artesia, NM 88210 Oil Con. District III Oil Con. 1000 Rio Brazos Road, Aztec, NM 87410 1220 So	als ser outh	and Natural Resources NO	CEIVE v 0 8 2013 CD ARTE	Form C-141
Release Notificat	ior	n and Corrective Acti	ion	
		OPERATOR	🚺 Initi	al Report 🛛 Final Report
Name of Company Oxy Permian Ltd.	_	Contact CJ Summers	16	
Address 1017 W. Stanolind Rd, Hobbs, NM Facility Name Pure Gold A Federal #2 Battery		Telephone No. (575) 397-82 Facility Type Gathering	10	
Surface Owner BLM Mineral Owner			Lease r	No. NM 38464
		N OF RELEASE		
Unit Letter Section Township Range Feet from the No	orth/	South Line Feet from the Ea	st/West Line	County
M 21 23S 31E 660		South 330	West	Eddy
Latitude <u>N 32,2842</u>	2 <u>8°</u>	Longitude <u>W 103.79005</u>		
NATUR	2E	OF RELEASE		
Type of Release Oil		Volume of Release 15 bbls	Volume F	Recovered 0 bbls
Source of Release Tank overflow		Date and Hour of Occurrence	Date and	Hour of Discovery
Was Immediate Notice Given?		3/5/2013 If YES, To Whom?		
🛛 Yes 🗋 No 🗌 Not Requir	red	Mike Bratcher- OCD; James Arr	10s & Jennifer	Van Curen- BLM
By Whom? Chancey Summers		Date and Hour 3/6/13 @ 8:40	am	
Was a Watercourse Reached?		If YES, Volume Impacting the V	Vatercourse.	
If a Watercourse was Impacted, Describe Fully.*				
	•		<u>a 1915</u>	· · · · · · · · · · · · · · · · · · ·
Describe Cause of Problem and Remedial Action Taken.*				
The loss of gas caused a tank overflow spilling 15 bbls of oil onto the g	grou	and. No fluids were recovered and	the source of t	he release was corrected.
Describe Area Affected and Cleanup Action Taken.*				
The area affected is approximately 40' x 90'. The loss of gas caused a the source of the release was corrected. Remediation was completed in email on 10/04/2013 and approved by Jennifer Van Curen of the BLM	n aco	cordance with the remediation plan	nto the ground approved by }	No fluids were recovered and Mike Bratcher of NMOCD via
I hereby certify that the information given above is true and complete the regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remed or the environment. In addition, NMOGD acceptance of a C-141 report federal, state, or local laws and/or regulations.	e no / the liate	otifications and perform corrective NMOCD marked as "Final Report contamination that pose a threat to be not relieve the operator of response	actions for rele " does not reli ground water onsibility for co	ases which may endanger eve the operator of liability , surface water, human health ampliance with any other
		OIL CONSER	<u>RVATION</u>	DIVISION
Signature:				
Printed Name: Chancey Summers	A	Approved by District Supervisor:		
Title: HES Specialist	A	Approval Date:	Expiration I	Date:
	Т			
E-mail Address: Chancey.Summers@oxy.com	+	Conditions of Approval:		Attached 🔲
Date: 11/5/1/5 Phone: (575) 397-8216				
Attach Additional Sheets If Necessary				2RP-1585-

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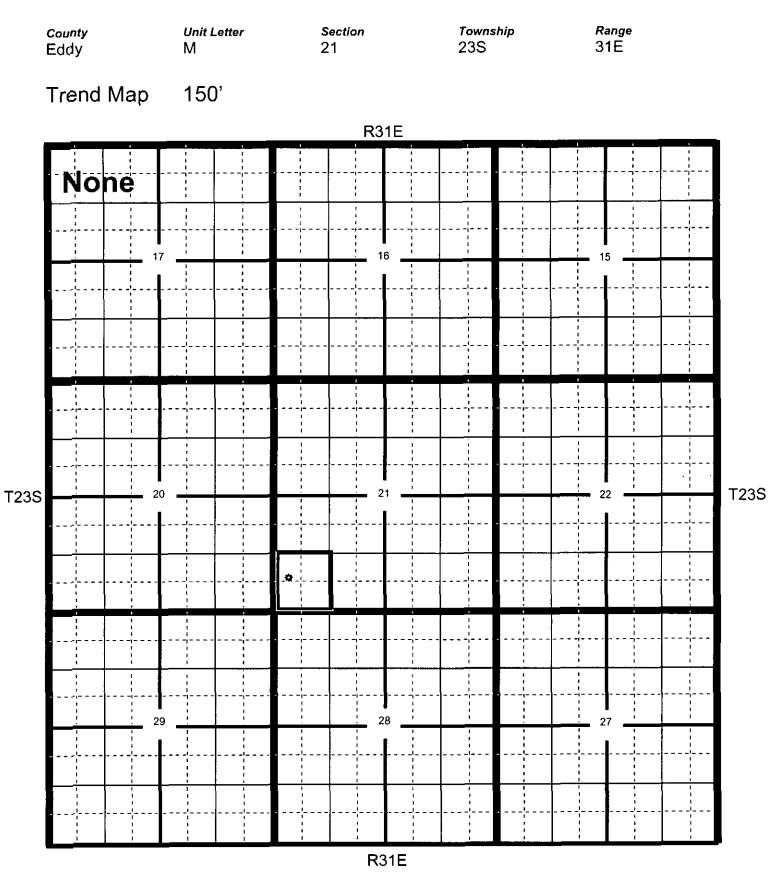






Groundwater Plot

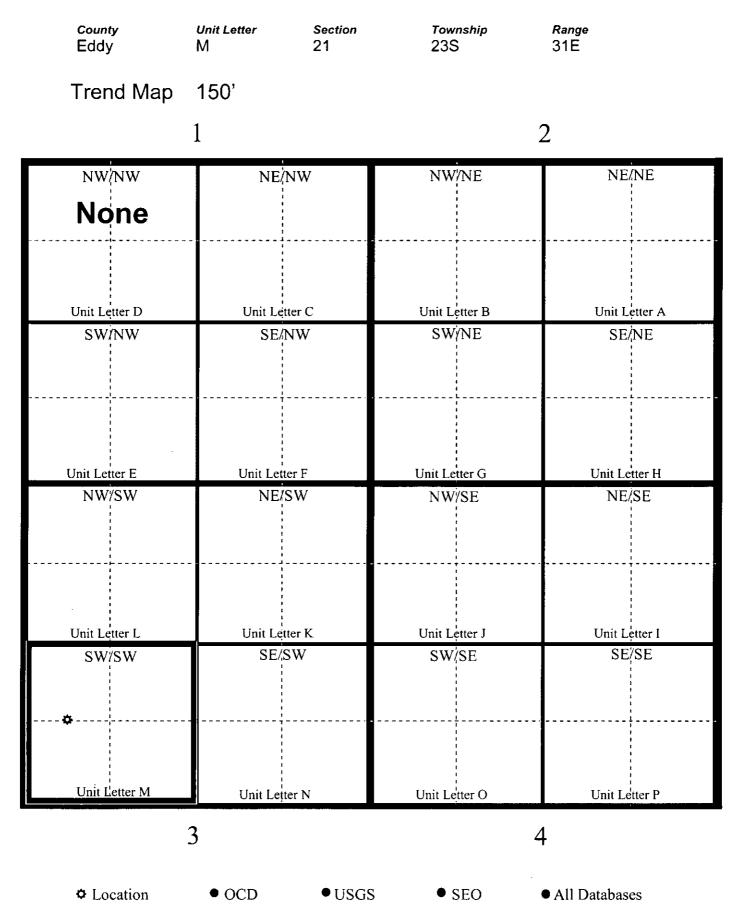
Oxy Pure Gold A Federal #2





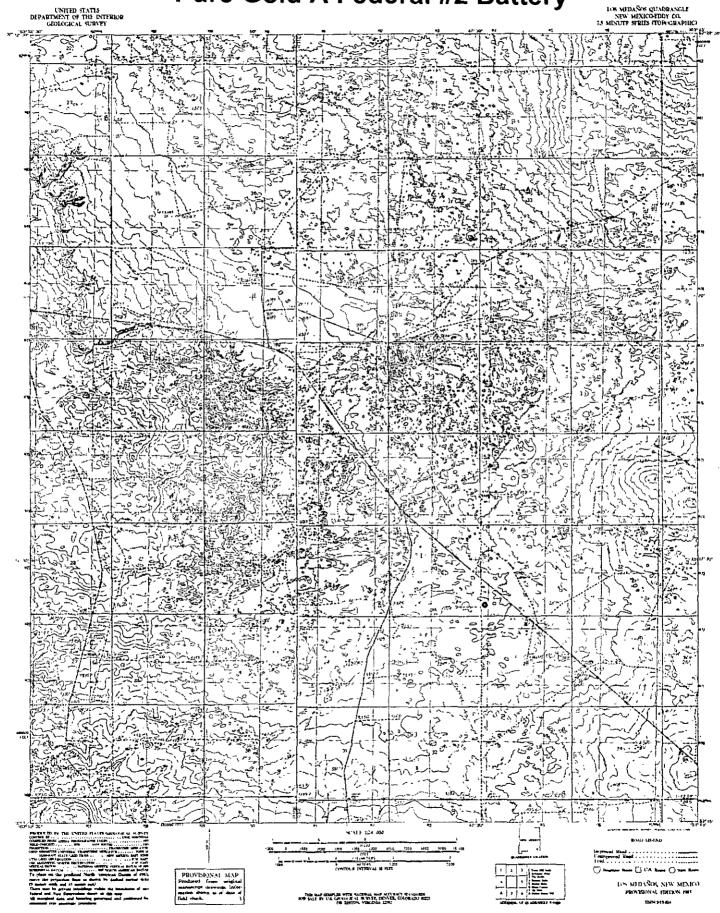
Section Quarters

Oxy Pure Gold A Federal #2 Battery

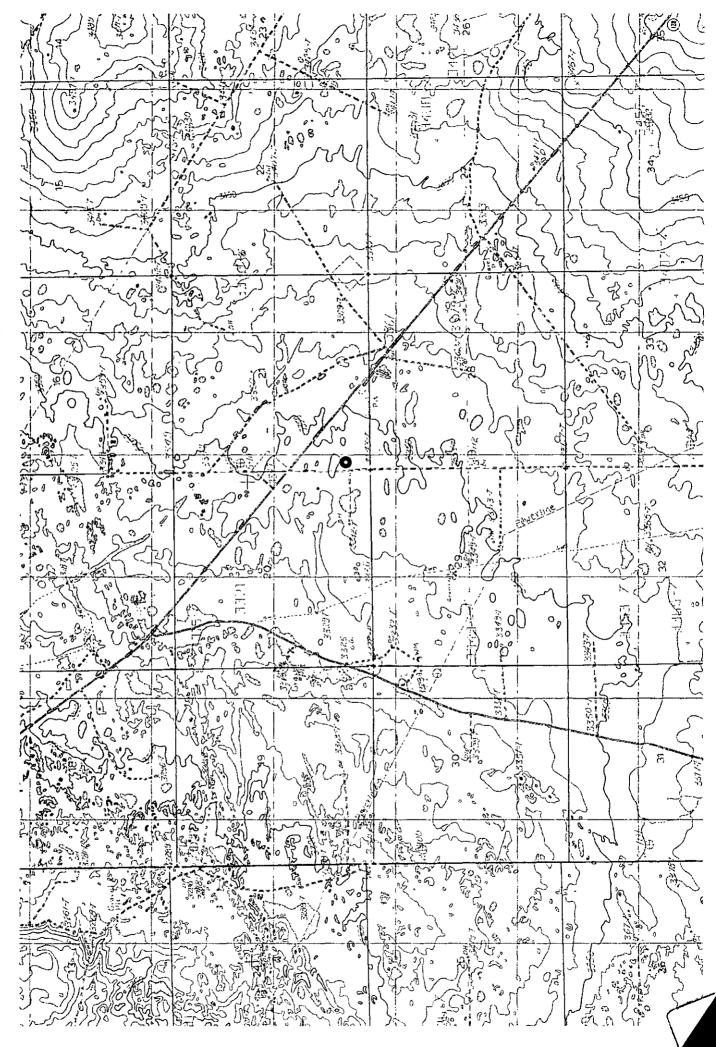


Oxy

Pure Gold A Federal #2 Battery



Pure Gold A Federal #2 Battery



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Laboratory Analytical Results Summary Pure Gold A Federal #2

		Sample	SP1@% SURFACE	SP1@1	SP1@1. SP1@22	SP1 @ 3	SP1 @ 4
Analyte	Method	Date	2/26/13	2/26/13	2/26/13	2/26/13	2/26/13
			mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg
Benzene	BTEX 8021B		3.46	n/a	<0.050	n/a	n/a
Toluene	BTEX 8021B		16.9	n/a	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		16.7	n/a	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		51.9	n/a	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		89	n/a	<0.300	n/a	n/a
Chloride	SM4500CI-B		816	7040	336	80	144
GRO	TPH 8015M		3600	n/a	<10.0	n/a	n/a
DRO	TPH 8015M		25400	n/a	18.6	n/a	n/a

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2%	SP2 @ 3	r SP2@4'
Analyte	Method	Date	2/26/13	2/26/13	2/26/13	2/28/13	2/26/13
			mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg
Benzene	BTEX 8021B		3.05	n/a	<0.050	n/a	n/a
Toluene	BTEX 8021B		16.1	n/a	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		16.6	n/a	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		46	n/a	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		81.7	n/a	<0.300	n/a	n/a
Chloride	SM4500CI-B		1280	6480	400	80	144
GRO	TPH 8015M		3120	n/a	<10.0	n/a	n/a
DRO	TPH 8015M		22700	n/a	18.3	n/a	n/a

		Sample	SURFACE	SP3 @ 1	SP3 @ 2	SP3 @ 3	SP3 @ 4
Analyte	Method	Date	2/26/13	2/26/13	2/26/13	2/26/13	2/26/13
			mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg
Benzene	BTEX 8021B		2.78	n/a	<0:050	e/u	n/a
Toluene	BTEX 8021B		12.8	n/a	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		12.8	n/a	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		34.3	n/a	<0.150	e/u	n/a
Total BTEX	BTEX 8021B		62.7	n/a	<0.300	e/u	e/u
Chloride	SM4500CI-B		864	7120	416	96	144
GRO	TPH 8015M		3620	n/a	<10.0	e/u	e/u
DRO	TPH 8015M		26300	n/a	26.4	n/a	n/a

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Laboratory Analytical Results Summary Pure Gold A Federal #2

		Sample	e SP1@1	SP1@2	SP1@3'	SP1 @'5'	SP1@7	.6 @ ids
Analyte	Method	Date	E 1/12/E	E1/12Z/E	61/12/E	51173/E	3/28/13	3/28/13
			mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		2.97	<0:050	<0.050	0.177	<0:050	<0:050
Toluene	BTEX 8021B		13.6	0.106	0.066	1.95	<0.050	<0.050
Ethylbenzene	BTEX 8021B		14.5	0.122	0.395	4.6	0.204	<0.050
Total Xylenes	BTEX 8021B		41.3	0.35	0.896	11.8	0.492	<0.150
Total BTEX	BTEX 8021B		72.3	0.578	1.36	18.6	0.696	<0.300
Chloride	SM4500CI-B		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		4710	<10.0	80.5	751	<50.0	<10.0
DRO	TPH 8015M		12000	26.6	1140	4760	892	101

Analyte Method Date 32713 32713 32713 Analyte Method Date 32743 32713 32713 ene BTEX 8021B mg/Kg mg/Kg mg/Kg mg/Kg 0.050 ene BTEX 8021B 15.1 0.117 0.404 1.09 benzene BTEX 8021B 19.4 0.144 1.09 Xylenes BTEX 8021B 53.9 0.406 2.67 Kylenes BTEX 8021B 90.6 0.667 4.16 BTEX SM4500Cl-B <16.0 <16.0 <16.0 ide SM4500Cl-B <16.0 <16.0 <16.0 <16.0 TPH 8015M TPH 8015M 3910 <10.0 337			Sample	SP2 @ 1'	SP2 @ 2'	2. SP2@3' S	3' SP2@5' SP	SP2 @ 7	SP2 @ 9'
mg/Kg mg/Kg mg/Kg mg/Kg BTEX 8021B 2.21 <0.050 <0.050 BTEX 8021B 15.1 0.117 0.404 BTEX 8021B 19.4 0.144 1.09 BTEX 8021B 53.9 0.406 2.67 BTEX 8021B 510 6.16.0 4.16 SM4500Cl-B 516.0 516.0 377	Analyte	Method	Date	3/27/13		3/27/13	3/27/13	3/28/13	3/28/13
BTEX 8021B 2.21 <0.050				mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg
BTEX 8021B 15.1 0.117 0.404 BTEX 8021B 19.4 0.144 1.09 BTEX 8021B 53.9 0.406 2.67 BTEX 8021B 53.9 0.406 2.67 BTEX 8021B 90.6 0.667 4.16 SM4500Cl-B <16.0 <16.0 <16.0 TPH 8015M 3910 <10.0 337	Benzene	BTEX 8021B		2.21	<0.050	<0.050	0.452	<0.050	<0.050
BTEX 8021B 19.4 0.144 1.09 BTEX 8021B 53.9 0.406 2.67 BTEX 8021B 90.6 0.667 4.16 STA500Cl-B <16.0 <16.0 <16.0 TPH 8015M 3910 <10.0 337	Toluene	BTEX 8021B	•	15.1	0.117	0.404	1.82	<0.050	<0.050
Xylenes BTEX 8021B 53.9 0.406 2.67 2 BTEX BTEX 8021B 90.6 0.667 4.16 7 7 ride SM4500Cl-B <16.0 <16.0 <16.0 7 6 0 6 1	Ethylbenzene	BTEX 8021B		19.4	0.144	1.09	3.72	0.062	<0.050
BTEX BTEX 8021B 90.6 0.667 4.16 ride SM4500Cl-B <16.0 <16.0 <16.0 TPH 8015M 3910 <10.0 337	Total Xylenes	BTEX 8021B		53.9	0.406	2.67	9.07	0.177	<0.150
ride SM4500CI-B <16.0 <16.0 <16.0 TPH 8015M 3910 <10.0 337	Total BTEX	BTEX 8021B		90.6	0.667	4.16	15.1	<0.300	<0.300
TPH 8015M 3910 <10.0 337	Chloride	SM4500CI-B		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
	GRO	TPH 8015M		3910	<10.0	337	583	<50.0	<10.0
TPH 8015M 11300 268 2300	DRO	TPH 8015M		11300	268	2300	3960	530	101

		Sample	SP3 @ 1'	SP3 @ 2	SP3@3	SP3@5'	SP3@7'	SP3 @ 9'
Analyte	Method	Date	3/27/13	3/27/13	3/27/13	3/27/13	3/26/13	C1/8Z/C
			mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	B3/6m
Benzene	BTEX 8021B		3.82	<0.050	<0.050	0.104	<0.050	<0.050
Toluene	BTEX 8021B		16.4	0.184	0.054	1.1	<0:050	<0.050
Ethylbenzene	BTEX 8021B		19.1	0.194	0.159	2.71	0.068	<0.050
Total Xylenes	BTEX 8021B		51.1	0.528	0.434	6.07	0.169	<0.150
Total BTEX	BTEX 8021B		90.4	0.905	0.647	9.98	<0.300	<0.300
Chloride	SM4500CI-B		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		4210	<10.0	70.7	329	<10.0	<10.0
DRO	TPH 8015M		11600	266	869	2460	462	71.1
DKU			nnort	992	808	2400		-

Laboratory Analytical Results Summary Pure Gold A Federal #2

		Sample	SP1(@)
Analyte	Method	Date	1017/13
			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

		Sample	SP2 @ BOTTOM
Analyte	Method	Date	1017/13
			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

	-		SP3 @
		eampre	BOTTOM
Analyte	Method	Date	1017/13
			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



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March 07, 2013

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

RE: PURE GOLD A FED #2

Enclosed are the results of analyses for samples received by the laboratory on 02/27/13 9:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ SURFACE (H300512-01)

BTEX 80218	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	3.46	0.200	03/04/2013	ND	1.98	98.9	2.00	2.34	
Toluene*	16.9	0.200	03/04/2013	ND	2.10	105	2.00	1.71	
Ethylbenzene*	16.7	0.200	03/04/2013	ND	2.11	106	2.00	1.41	
Total Xylenes*	51.9	0.600	03/04/2013	ND	6.39	106	6.00	1.43	
Total BTEX	89.0	1.20	03/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	339 %	6 89.4-12	6					•	
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	816	16.0	03/04/2013	ND	416	104	400	0.00	
TPH 8015M	mg/l	¢g	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	3600	100	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	25400	100	03/01/2013	ND	224	112	200	18.0	
Surrogate: 1-Chlorooctane	295 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	802 %	6 63.6-15							

Sample ID: SP 1 @ 1' (H300512-02)

Chloride, SM4500CI-B	mg.	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7040	16.0	03/04/2013	ND	416	104	400	0.00	

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 2' (H300512-03)

BTEX 8021B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2013	ND	1.98	98.9	2.00	2.34	
Toluene*	<0.050	0.050	03/04/2013	ND	2.10	105	2.00	1,71	
Ethylbenzene*	<0.050	0.050	03/04/2013	ND	2.11	106	2.00	1,41	
Total Xylenes*	<0.150	0.150	03/04/2013	ND	6.39	106	6.00	1.43	
Total BTEX	<0.300	0.300	03/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	125	% 89.4-12	6						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/04/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	18.6	10.0	03/01/2013	ND	224	112	200	18.0	
Surrogate: 1-Chlorooctane	100 \$	65.2-14	0						
Surrogate: 1-Chlorooctadecane	111 9	63.6-15							

Sample ID: SP 1 @ 3' (H300512-04)

Chloride, SM4500Cl-B	mg_	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/04/2013	ND	416	104	400	0.00	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 4' (H300512-05)

Chloride, SM4500Cl-B mg/kg		Analyzed	By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/04/2013	ND	416	104	400	0.00	

Sample ID: SP 2 @ SURFACE (H300512-06)

BTEX 8021B mg/kg		Analyzed By: AP				S-04			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.05	0.200	03/04/2013	ND	1.98	98.9	2.00	2.34	
Toluene*	16.1	0.200	03/04/2013	ND	2.10	105	2.00	1.71	
Ethylbenzene*	16.6	0.200	03/04/2013	ND	2.11	106	2.00	1.41	
Total Xylenes*	46.0	0.600	03/04/2013	ND	6.39	106	6.00	1.43	
Total BTEX	81.7	1.20	03/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE 371 % 89.4-126

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	03/04/2013	ND	416	104	400	0.00	
трн 8015м	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3120	100	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	22700	100	03/01/2013	ND	224	112	200	18.0	
Surrogate: 1-Chlorooctane	281	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	757	% 63.6-15	4						

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Celey Di Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H300512-07)

Chloride, SM4500Cl-B mg/kg		Analyze	d By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method 8lank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	03/04/2013	ND	416	104	400	0.00	

Sample ID: SP 2 @ 2' (H300512-08)

BTEX 8021B	mg/l	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2013	ND	1.98	98.9	2.00	2.34	
Toluene*	<0.050	0.050	03/04/2013	ND	2.10	105	2.00	1.71	
Ethylbenzene*	<0.050	0.050	03/04/2013	ND	2.11	106	2.00	1.41	
Total Xylenes*	<0.150	0.150	03/04/2013	NÐ	6.39	106	6.00	1.43	
Total BTEX	<0.300	0.300	03/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	124%	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/l	(g	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/04/2013	ND	416	104	400	0.00	
TPH 8015M	mg/l	«g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	18.3	10.0	03/01/2013	ND	224	112	200	18.0	
Surrogate: 1-Chlorooctane	100 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	108 %	6 63.6-15							

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 3' (H300512-09)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/04/2013	ND	416	104	400	0.00	

Sample ID: SP 2 @ 4' (H300512-10)

Chloride, SM4500Cl-B		mg,	/kg	Analyze	d By: DW				ä	
	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	Chloride	144	16.0	03/04/2013	ND	416	104	400	0.00	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ SURFACE (H300512-11)

BTEX 8021B	mg/l	g	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	2.78	0.100	03/07/2013	ND	1.80	90.2	2.00	2.29	
Toluene*	12.8	0.100	03/07/2013	ND	1.91	95.3	2.00	2,42	
Ethylbenzene*	12.8	0.100	03/07/2013	ND	1.90	95.2	2.00	2.95	
Total Xylenes*	34.3	0.300	03/07/2013	ND	5.87	97.8	6.00	2.95	
Total BTEX	62.7	0.600	03/07/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	504 %	89.4-12	6						
Chloride, SM4500Cl-B	mg/l	¢ġ	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	864	16.0	03/04/2013	ND	416	104	400	0.00	
TPH 8015M	mg/l	cg	Analyze	d By: MS				•	S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3620	100	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	26300	100	03/01/2013	ND	224	112	200	18.0	
Surrogate: 1-Chlorooctane	289 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	898 %	63.6-15							

Sample ID: SP 3 @ 1' (H300512-12)

Chloride, SM4500Cl-B	/kg	Analyze	d By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7120	16.0	03/04/2013	ND	416	104	400	0.00	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 2' (H300512-13)

BTEX 8021B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2013	ND	1.80	90.2	2.00	2,29	
Toluene*	<0.050	0.050	03/06/2013	ND	1.91	95.3	2.00	2.42	
Ethylbenzene*	<0.050	0.050	03/06/2013	ND	1.90	95.2	2.00	2.95	
Total Xylenes*	<0.150	0.150	03/06/2013	ND	5.87	97.8	6.00	2.95	
Total BTEX	<0.300	0.300	03/06/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	113 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/04/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8	
DR0 >C10-C28	26.4	10.0	03/01/2013	ND	224	112	200	18.0	
Surrogate: 1-Chlorooctane	97.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	105 9	63.6-15	1						

Sample ID: SP 3 @ 3' (H300512-14)

Chloride, SM4500Cl-B mg/kg			Analyze	Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/04/2013	ND	416	104	400	3.77	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 4' (H300512-15)

Chloride, SM4500Cl-B mg/kg			Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/04/2013	ND	416	104	400	3.77	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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 SM4500CI-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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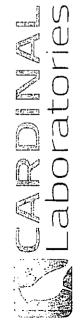
*=Accredited Analyte

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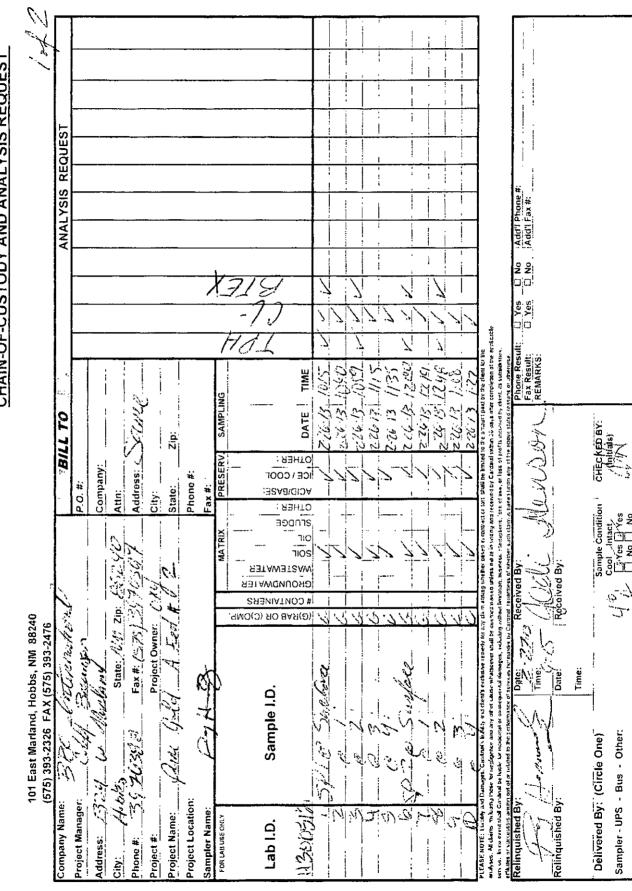
Celeg Di Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

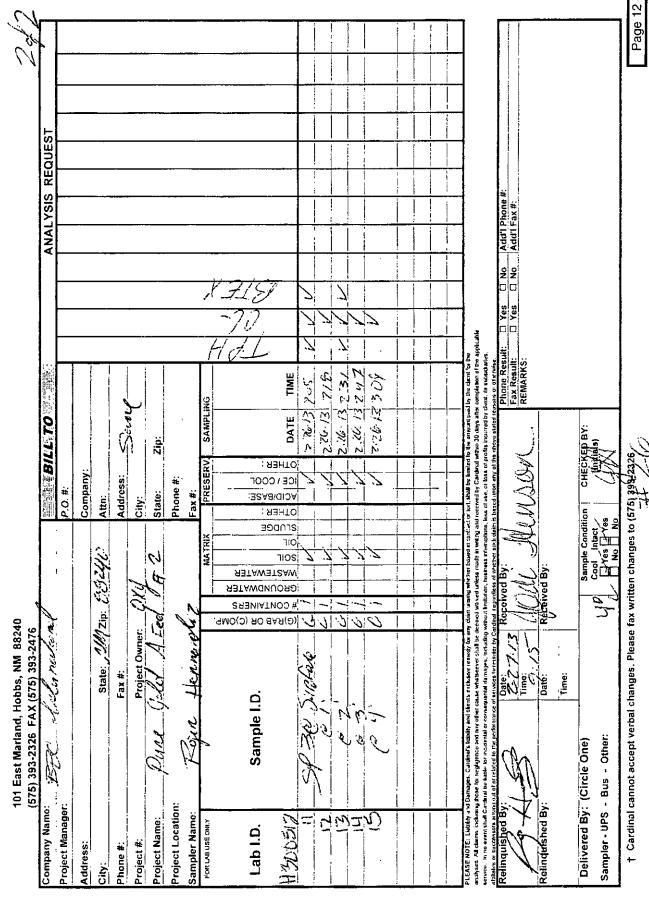


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1 Cardinai cannot accept verbal changes. Please fax written changes to 1975) 393 236



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Page 12 of 12



April 08, 2013

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

RE: PURE GOLD A FED #2

Enclosed are the results of analyses for samples received by the laboratory on 04/02/13 8:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 accreditated 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,

Celey Di Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H300772-01)

BTEX 8021B	mg/	'kg	Analyze	d By: AP					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.97	0.500	04/08/2013	ND	2.02	101	2.00	0.606	
Toluene*	13.6	0.500	04/08/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	14.5	0.500	04/08/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	41.3	1.50	04/08/2013	ND	6.90	115	6.00	0.229	
Total BTEX	72.3	3.00	04/08/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	184 9	% 89.4-12	6	<u> </u>					
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4710	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	12000	50.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	277 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	3529	63.6-15							

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 2' (H300772-02)

BTEX 80218	mg/	kg	Analyze	d By: AP		· · · · · · · · · · · · · · · · · · ·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	0.106	0.050	04/04/2013	ND	2.23	112	2,00	0.756	
Ethylbenzene*	0.122	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	0.350	0.150	04/04/2013	ND	6.90	115	6.00	0,229	
Total BTEX	0.578	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	120 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	26.6	10.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	86.3 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	112 %	63.6-15							

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 3' (H300772-03)

BTEX 8021B	mg,	kg	Analyze	d By: AP					S-04
Analyte .	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	 True Value QC 	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toiuene*	0.066	0.050	04/04/2013	ND	2,23	112	2.00	0,756	
Ethylbenzene*	0.395	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	0.896	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	1.36	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	191	% 89.4-12	?6			<u> </u>			
Chloride, SM4500Cl-B	mg,	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	ing,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	80.5	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	1140	50.0	04/02/2013	ND	1 98	99.2	200	7.84	
Surrogate: 1-Chlorooctane	91,2	% 65.2-14	10						
Surrogate: 1+Chlorooctadecane	134 5	63.6-15	4						

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 5' (H300772-04)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.177	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	1.95	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	4.60	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	11.8	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	18.6	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	527 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	751	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	4760	50.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	150 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	194 9	6 63.6-15	£						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 7' (H300772-05)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	<0.050	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	0.204	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	0.492	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	0.696	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	159 %	6 89.4-12	6	,					
Chloride, SM4500CI-B	mg/	kg	Алајуге	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS		<u> </u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	892	50.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	82.8 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	123 9	63.6-15	4						

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Celeg Di Kuna

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 9' (H300772-06)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	<0.050	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	<0.050	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	<0.150	0.150	04/04/2013	ND	6.90	115	6,00	0.229	
Total BTEX	<0.300	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	101	10.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	99.8	65.2-14	0						
Surrogate: 1-Chlorooctudecane	120 9	6 63.6-15	4						

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Celeg Di Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H300772-07)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B\$	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.21	0.100	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	15,1	0.100	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	19.4	0.100	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	53.9	0.300	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	90.6	0.600	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	681 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3910	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	11300	50.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	261 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	338 %	63.6-15	4						

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PLEASE NOTE: Labelry and Damages. Cardinal's labelry and clent's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by clent for analyzes. All claims, including those for negligence and any other case whitspeerer shall be deemed waved unless made in writing and received by claims, including those for negligence and including, without limitation, business interruptions, loss of use, or loss of profits incurred by cleint, its subsidiaries, affliates or successors analyzes around on any of the approximation of the

Celegit Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 2' (H300772-08)

BTEX 8021B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2,00	0.606	
Toluene*	0.117	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	0.144	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	0.406	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	0.667	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	123 9	89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: DW			<u>_</u>		
Analyte	Result	Reporting Limit	Analyzed ·	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	268	10.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	102 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1319	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 3' (H300772-09)

BTEX 8021B	mg/	/kg	Analyze	d By: AP		<u>.</u>		· · ·	S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	0.404	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	1.09	0.050	04/04/2013	ND	2,32	116	2.00	0.556	
Total Xylenes*	2.67	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	4.16	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	247 9	% 89.4-12	6						• <u> </u>
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: DW		- <u></u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	337	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	2300	50.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	1109	65.2-14	0						
Surrogate: 1-Chlorooctadecane	144 %	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 5' (H300772-10)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.452	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	1.82	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	3.72	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	9.07	0.150	04/04/2013	ND	5. 9 2	98.6	6.00	11.6	
Total BTEX	15.1	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	517%	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	583	50.0	04/02/2013	ND	191	95.5	200	2,72	
DRO >C10-C28	3960	50.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	139 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	179 9	6 63.6-15	1						

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Received:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 7' (H300772-11)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	0.062	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	0.177	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	<0.300	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	120 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	530	50.0	04/02/2013	ND	198	99.2	200	7,84	
Surrogate: 1-Chlorooctane	82,9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1249	63.6-15	4						

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Received:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 9' (H300772-12)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	<0.050	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	<0.300	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	101	10.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	93.8 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1189	63.6-15	4						

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Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 1' (H300772-13)

BTEX 8021B	mg,	'kg	Analyze	d By: AP					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.82	0.200	04/05/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	16.4	0.200	04/05/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	19.1	0.200	04/05/2013	ND	1.95	97.6	2.00	13,4	
Total Xylenes*	51,1	0.600	04/05/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	90.4	1.20	04/05/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	374 9	89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: DW		· · · ·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4210	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	11600	50.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	271 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	343 9	63.6-15	4						

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Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 2' (H300772-14)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	0.184	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	0.194	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	0.528	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	0.905	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	132 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	266	10.0	04/03/2013	ND	199	99.6	200	3.61	
Surrogate: 1-Chlorooctane	101 %	65.2-14	0			-			-
Surrogate: 1-Chlorooctadecane	1129	6 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 3' (H300772-15)

BTEX 8021B	mg,	/kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	0.054	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	0.159	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	0.434	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	0.647	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	139 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	70.7	50.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	869	50.0	04/03/2013	ND	199	99.6	200	3.61	
Surrogate: 1-Chlorooctane	85.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	1149	63.6-15	4						

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Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 5' (H300772-16)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.104	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	1,10	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	2.71	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	6.07	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	9.98	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	430 9	% 89.4-12	6.						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	329	50.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	2460	50.0	04/03/2013	ND	199	99.6	200	3.61	
Surrogate: 1-Chlorooctane	110 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1479	63.6-15	4						

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Received:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 7' (H300772-17)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	0.068	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	0.169	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	<0.300	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	1169	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	462	10.0	04/03/2013	ND	199	99.6	200	3.61	
Surrogate: 1-Chlorooctane	99.4 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	120 %	63.6-15	4						

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PLEASE NOTE: Liabday and Damages. Cardinal's labality and clerk's exclusive remedy for any claim ansing, whether based in contract or tort, shall be lamited to the amount paid by clerit for analyses. All claims, including these for negligence and any other cause whatboever shall be deemed waved unless made in writing and received by Cardinal writin thirty (30) days after completion of the applicable service. In no event shall Cardinal be lable for inodental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by dent, its sublidames, affiliates or successors arising out of or related to the performance of the services hereinder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples interruption date only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laborationes.

Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 9' (H300772-18)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	<0.050	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	<0.300	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 %	6 89.4-12	б						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	71.1	10.0	04/03/2013	ND	199	99.6	200	3.61	
Surrogate: 1-Chlorooctane	95.1 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1149	63.6-15	4						

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PLEASE NOTE: Lisbility and Damages. Cardinal's labelity and client's exclusive remedy for any dawn ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for inodential or consequential damages, including, without knotation, business interruptions, loss of use, or loss of profits incurred by dent, its subsidiaries, affaates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples denoted above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg Di Kuna

Celey D. Keene, Lab Director/Quality Manager



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 SM4500CI-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. Kune

Celey D. Keene, Lab Director/Quality Manager

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city: Hobbs	State: NM	zip: 88241	-	Attn:			•						<u> </u>	-		÷		
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October 22, 2013

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

RE: PURE GOLD A FED #2

Enclosed are the results of analyses for samples received by the laboratory on 10/18/13 10:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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 accredited analytes.

Cardinal Laboratories is accreditated 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,

Celeg Di Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/18/2013	Sampling Date:	10/17/2013
Reported:	10/22/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 @ BOTTOM (H302523-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS				-	A-01
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2013	ND	2.01	101	2.00	3.40	
Toluene*	<0.050	0.050	10/21/2013	ND	2.11	106	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/21/2013	ND	2.14	107	2.00	3.66	
Total Xylenes*	<0.150	0.150	10/21/2013	ND	6.39	106	6.00	4.56	
Total BTEX	<0.300	0.300	10/21/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.8	89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/21/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/21/2013	ND	201	100	200	3.46	
DRO >C10-C28	<10.0	10.0	10/21/2013	ND	191	95.4	200	2.77	
Surrogate: 1-Chlorooctane	102 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1129	63.6-15	4						

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*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/18/2013	Sampling Date:	10/17/2013
Reported:	10/22/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 @ BOTTOM (H302523-02)

BTEX 80216	mg/	kg	Analyze	d By: MS					A-01
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2013	ND	2.01	101	2.00	3.40	
Toluene*	<0.050	0.050	10/21/2013	ND	2.11	106	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/21/2013	ND	2.14	107	2.00	3.66	
Total Xylenes*	<0.150	0.150	10/21/2013	ND	6.39	106	6.00	4.56	
Total BTEX	<0.300	0.300	10/21/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.7 %	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/1	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/21/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/21/2013	ND	201	100	200	3.46	
DRO >C10-C28	<10.0	10.0	10/21/2013	ND	191	95.4	200	2.77	
Surrogate: 1-Chlorooctane	107 %	65.2-14	0	• • • • • • • • • • • • • • • • • • •					
Surrogate: 1-Chlorooctadecane	118%	6 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any dawn ansing, whether based in contract or tort, shall be limited to the amount paid by direct for analyses. All claims, including those for negligence and any other cause whitsbeever shall be deemed waved unless made in writing and received by claims, actuality and claims, and within thirty (30) days after completion of the applicable service. In no event shall Cardinal are lable for indetental or consequential claimsges, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiantes, affiliates or successors among out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above statier cascings or otherwes. Results related into the sample claims data liberationes.

Celeg Di Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/18/2013	Sampling Date:	10/17/2013
Reported:	10/22/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 3 @ BOTTOM (H302523-03)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					A-01
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/21/2013	ND	2.01	101	2.00	3.40	
Toluene*	<0.050	0.050	10/21/2013	ND	2.11	106	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/21/2013	ND	2,14	107	2.00	3.66	
Total Xylenes*	<0.150	0.150	10/21/2013	ND	6.39	106	6.00	4.56	
Total BTEX	<0.300	0.300	10/21/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.0	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/21/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/21/2013	ND	201	100	200	3.46	
DRO >C10-C28	<10.0	10.0	10/21/2013	ND	191	95.4	200	2.77	
Surrogate: 1-Chlorooctane	107 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1169	63.6-15	4						

Cardinal Laboratories

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Celey Di Kune

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

A-01	Surrogate recovery outside historical limits, but within method limits of 80-120%.
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 SM4500CI-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 Li Keine

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 6

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Company Name: BBC International, Inc.	al, Inc.		ľ		[,]			115				(Pust -				ĮÅ	ANALYSIS		REQUEST	JEST			ŀ	Г		3
Project Manager: Cliff Brunson	•)'d	P.O.#:				••	L	Ŀ	Ŀ		Ŀ				-	⊢		┝			
Address: P.O. Box 805	••					Ő	Company			•. .	; ; :: :		• •	-												1
city: Hobbs	State: NM ZIp:		88241	H		Attn:																				×.
Phone #: 575-397-6388	ക	0-20	397			Ρq	Address:		•												_					
Project #:	Project Owner: DXy	λ.				City:	i ž														<u></u>					
Project Name: Pure Gold A Federal #2	#2					State:	te:	N	Zip:	1 1 1					;			—:								
Project Location: Eddy County, NM						Å.	Phone #:					:		•.								.				
Sampler Name: Price Brunson						Fax #:	ŧ,																			
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	9	-		>		_	<u>)</u> 		10/17/13	13 2:4	2:40 pm		\geq	2						$\left \right $.		
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	changes. Please fa	X WT	itten	chan	ges t	o 505-	383-6	919			,													I		
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Page 6 of 6

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Kathy Purvis

From:	Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us></mike.bratcher@state.nm.us>
Sent:	Friday, October 04, 2013 7:39 AM
То:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	RE: OXY-Pure Gold A Federal #2 Battery-Remediation Plan

CORRECTION: The date of release for 2RP-1585 is: 3/5/2013, not 2/5/2013 as was listed in the approval.

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108 C: 575-626-0857 F: 575-748-9720

From: Bratcher, Mike, EMNRD
Sent: Friday, October 04, 2013 7:31 AM
To: 'Cliff P. Brunson'
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: OXY-Pure Gold A Federal #2 Battery-Remediation Plan

Reference: OXY USA * Pure Gold A Fed 2 * 30-015-27243 * M-21-23s-31e * Eddy County, New Mexico

Remediation proposal is for two fluid releases at this site.

1. OCD Tracking Number: 2RP-1588 * Date of release: 2/8/2013

2. OCD Tracking Number: 2RP-1585 * Date of release: 2/5/2013

Cliff,

Your proposal to excavate and haul to disposal, 2 feet of material across the entire impacted area, is approved. This proposal will address both release events as referenced above. Upon satisfactory completion of the project, please submit separate Final Report C-141s for each release event, and two hard copies of the closure report. Please notify the OCD District 2 office prior to commencement of remedial activities. Approval by BLM is also required for remediation on federal sites.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108 C: 575-626-0857

F: 575-748-9720

From: Cliff P. Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Saturday, September 21, 2013 4:10 PM
To: Bratcher, Mike, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Pure Gold A Federal #2 Battery-Remediation Plan

Mike,

This e-mail is to confirm our conversation the other day about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As you may recall, there was two leaks that occurred at this site within weeks of each other. This remediation plan will address both leaks. As discussed, Oxy will excavate the entire leak area inside the battery firewall to a depth of 2 feet and then backfill the site with the appropriate type of clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-0397 E-Mail: <u>cbrunson@bbcinternational.com</u>

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Kathy Purvis

From:	Van Curen, Jennifer <jvancure@blm.gov></jvancure@blm.gov>
Sent:	Monday, September 23, 2013 11:47 AM
То:	Cliff P. Brunson
Cc:	C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	Re: OXY-Pure Gold A Federal #2 Battery-Remediation Plan

Cliff,

The plan is approved with the following stipulation: The last samples were taken in March, and we have had some pretty good rains since then, so I will require bottom samples prior to closing. Thanks,

JENNIFER E VAN CUREN ENVIRONMENTAL PROTECTION SPECIALIST DOI-BLM-CARLSBAD FIELD OFFICE 320 E GREENE ST. CARLSBAD, NM 88220 OFFICE- 575-234-5905 CELL - 575-361-0042 FAX - 575-234-5927

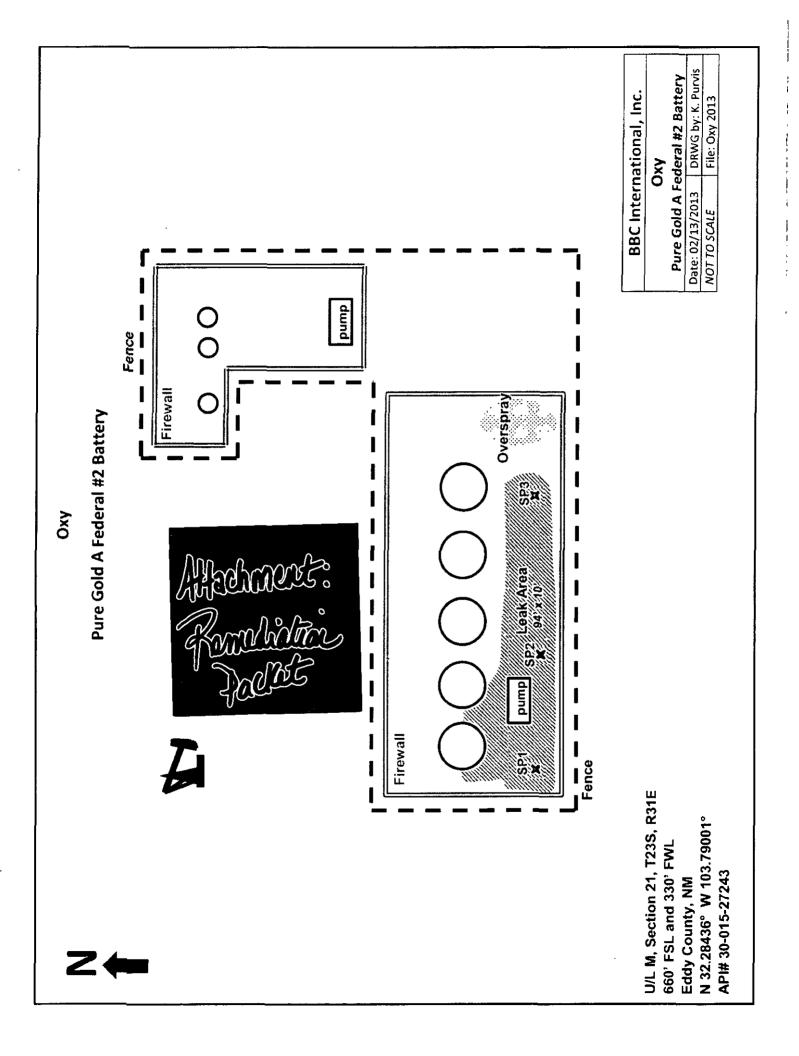
On Sat, Sep 21, 2013 at 4:15 PM, Cliff P. Brunson <<u>cbrunson@bbcinternational.com</u>> wrote: Jennifer,

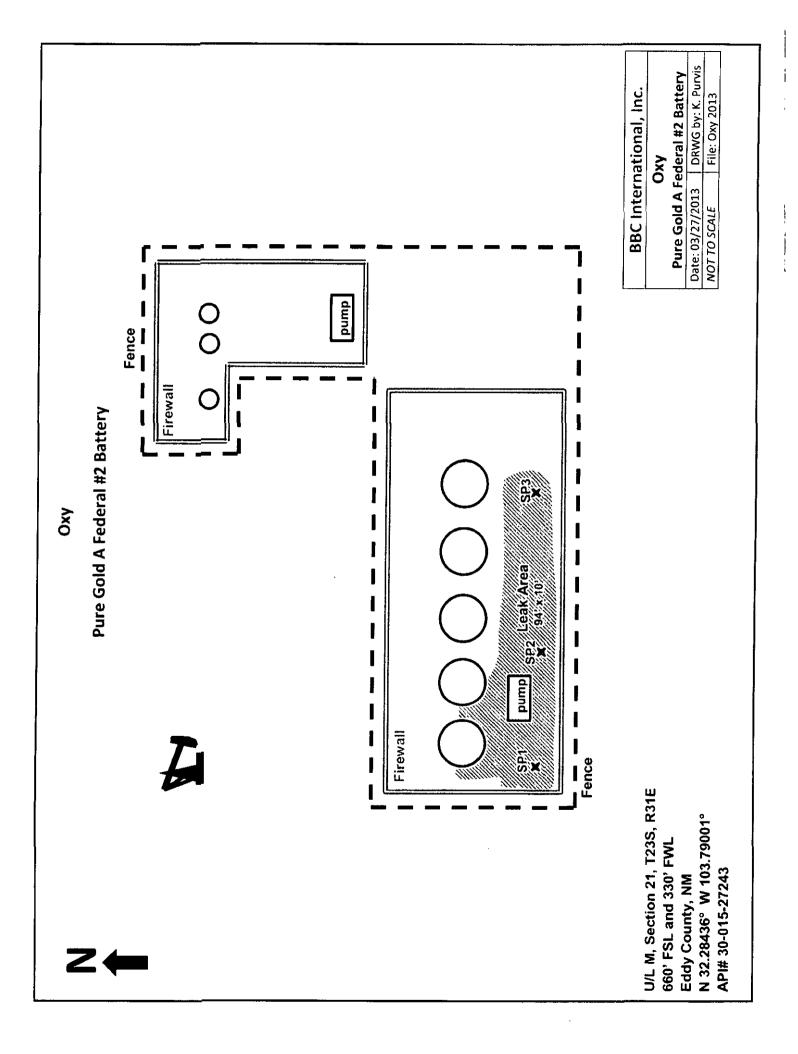
This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Mike Bratcher of the NMOCD. As you may recall, there was two leaks that occurred at this site within weeks of each other. This remediation plan will address both leaks. Oxy proposes to excavate the entire leak area inside the battery firewall to a depth of 2 feet and then backfill the site with the appropriate type of clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-0397 E-Mail: <u>cbrunson@bbcinternational.com</u>





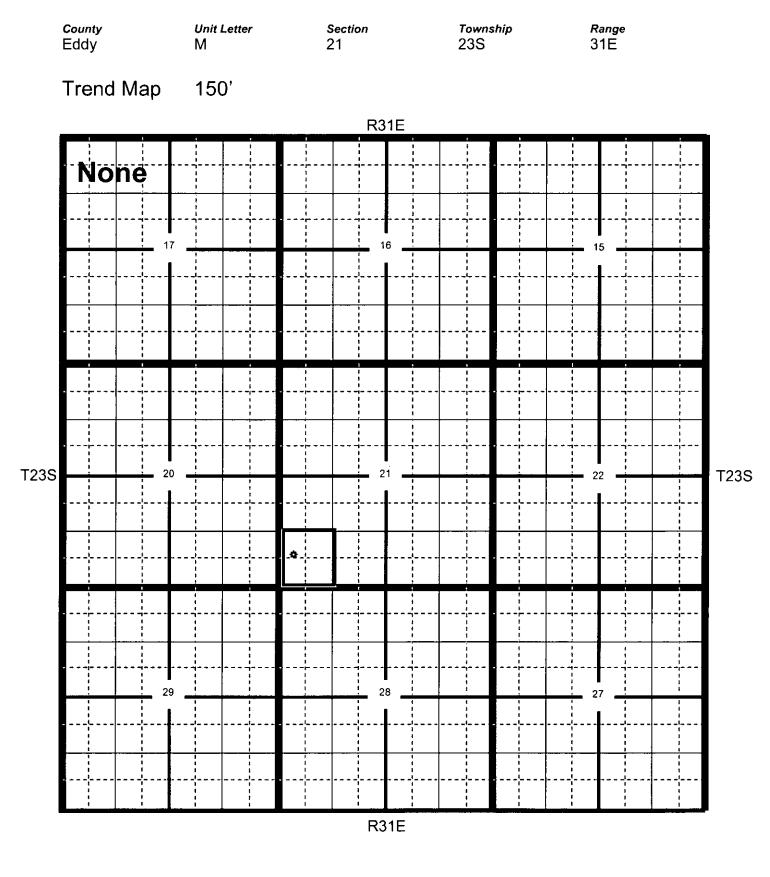


Location

• OCD

Groundwater Plot

Oxy Pure Gold A Federal #2



•USGS

SEO

All Databases



Section Quarters

Oxy Pure Gold A Federal #2 Battery

<i>County</i> Eddy	<i>Unit Letter</i> M	Section 21	Township 23S	<i>Range</i> 31E
Trend Map	150'			
	1			2
NW/NW	NE/N	W	NW/NE	NE/NE
None				
Unit Letter D SW/NW	Unit Lett SE/N		Unit Letter B SW/NE	Unit Letter A SE/NE
Unit Letter E NW/SW	Unit Lette NE/S		Unit Letter G NW/SE	Unit Letter H NE/SE
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Unit Letter M	Unit Lette	er N	Unit Letter O	Unit Letter P
	3			4

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Laboratory Analytical Results Summary Pure Gold A Federal #2

-		Sample	SP1 @	SP1@1	SP1@2'	SP1 @ 34	SP104
Analyte	Method	Date	2/26/13	2/26/13	2/26/13	2/26/13	2/26/13
			mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg
Benzene	BTEX 8021B		3.46	e/u	<0.050	e/u	n/a
Toluene	BTEX 8021B		16.9	n/a	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		16.7	п/а	<0.050	e/u	n/a
Total Xylenes	BTEX 8021B		51.9	n/a	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		89	n/a	<0.300	n/a	n/a
Chloride	SM4500CI-B		816	7040	336	80	144
GRO	TPH 8015M		3600	n/a	<10.0	n/a	n/a
DRO	TPH 8015M		25400	n/a	18.6	n/a	n/a
		-	SP2'@::		,	3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	

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Analyte Method Analyte Method Benzene BTEX 8021B Toluene BTEX 8021B Toluene BTEX 8021B Ethylbenzene BTEX 8021B Total Xylenes BTEX 8021B Total Xylenes BTEX 8021B Choral BTEX BTEX 8021B DRO TPH 8015M	Date					
ene ane benzene Xytenes BTEX ride		2/26/13	2/26/13	2/28/13	2/26/13	2/26/13
ene ane Bbenzene Xylenes BTEX ride		mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg
ane benzene Xylenes BTEX ride		3.05	n/a	<0.050	n/a	e/u
benzene Xylenes BTEX ride		16.1	n/a	<0.050	n/a	n/a
Xytenes BTEX ride		16.6	n/a	<0.050	n/a	e/u
BTEX		46	n/a	<0.150	n/a	n/a
ride	_	81.7	n/a	<0.300	n/a	n/a
		1280	6480	400	80	144
		3120	n/a	<10.0	n/a	n/a
		22700	n/a	18.3	n/a	n/a
	Sample	SP3 @	SP3@1	SP3 @ 2	SP3 @ 3	SP3 @ 4'
Analyte Method	Date	2/26/13	2/26/13	2120113	226/13	2/26/13
		mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg
Benzene BTEX 8021B		2.78	n/a	<0.050	n/a	e/u
Toluene BTEX 8021B		12.8	n/a	<0.050	n/a	e/u
Ethylbenzene BTEX 8021B		12.8	n/a	<0.050	n/a	n/a
Total Xylenes BTEX 8021B		34.3	n/a	<0.150	n/a	e/u
Total BTEX 8721B		62.7	n/a	<0.300	n/a	e/u
Chloride SM4500CI-B		864	7120	416	96	144
GRO TPH 8015M		3620	n/a	<10.0	n/a	n/a
DRO [TPH 8015M		26300	n/a	26.4	n/a	e/u

		Sample	SURFACE	SP3@1	SP3 @ 2	S S S S S S S S S S S S S S S S S S S	SP3@4'
Analyte	Method	Date	2/26/13	2/26/13	2/20/13	£1/9Z/Z	2/26/13
			mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg
Benzene	BTEX 8021B		2.78	n/a	<0.050	e/u	n/a
Toluene	BTEX 8021B		12.8	n/a	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		12.8	n/a	<0.050	e/u	n/a
Total Xylenes	BTEX 8021B		34.3	n/a	<0.150	e/u	n/a
Total BTEX	BTEX 8021B		62.7	n/a	<0.300	e/u	n/a
Chloride	SM4500CI-B		864	7120	416	96	144
GRO	TPH 8015M		3620	n/a	<10.0	e/u	n/a
DRO	TPH 8015M		26300	n/a	26.4	n/a	n/a

Laboratory Analytical Results Summary Pure Gold A Federal #2

		Sample	SP1@1	SP1 @`2'	SP1 @ 3	SP1@5' SP1@7'	SP1@ 7	SP1 @ 9'
Analyte	Method	Date	21/12/0	3/27/13	3/27/13	3/27/13	3/26/13	3/28/13
			63/gm	mg/Kg	mg/Kg	ba/bu	mg/Kg	63/j6w
Benzene	BTEX 8021B		2:97	<0.050	<0.050	0.177	<0.050	<0.050
Toluene	BTEX 8021B		13.6	0.106	990'0	1.95	<0.050	<0.050
Ethylbenzene	BTEX 8021B		14.5	0.122	0.395	4.6	0.204	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		41.3	0.35	0.896	11.8	0.492	<0.150
Total BTEX	BTEX 8021B		72.3	0.578	1.36	18.6	0.696	<0.300
Chloride	SM4500CI-B		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		4710	<10.0	80.5	751	<50.0	<10.0
DRO	TPH 8015M		12000	26.6	1140	4760	892	101
			Comelo Con di	5 D 3 © 24		17. i (0 cuo	i Quad	000 000

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		Sample	ˈSP2 @ 1	SP2 @ 2'	SP2 @ 3'	SP2 @ 5'	SP2@7	SP2 @ 9'
Analyte	Method	Date	3/27/13	3/27/13	£1/12/£	3/27/13	3/28/13	3/28/13
			mg/Kg	mg/Kg	mg/Kg	mg/kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		2.21	<0.050	<0.050	0.452	<0.050	<0.050
Toluene	BTEX 8021B		15.1	0.117	0.404	1.82	<0.050	<0.050
Ethylbenzene	BTEX 8021B		19.4	0.144	1.09	3.72	0.062	<0.050
Total Xylenes	BTEX 8021B		53.9	0.406	2.67	9.07	0.177	<0.150
Total BTEX	BTEX 8021B		90.6	0.667	4.16	15.1	<0.300	<0.300
Chloride	SM4500CI-B		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		3910	<10.0	337	583	<50.0	<10.0
DRO	TPH 8015M		11300	268	2300	3960	530	101

		,				1 2 2 X 19	イン教室に	
		Sample	SP3 @1'	SP3 @ 2'	SP3 @ 3	SP3 @ 5'; SP3'@ 7'	SP3@7	SP3 @ 9'
Analyte	Method	Date	£1/12/E	3/27/13	2/1/3	3/27/13	3/28/13	3/28/13
			6y/gm	6)į/đu	mg/Kg	mg/kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		3.82	<0.050	<0.050	0.104	<0.050	<0:050
Toluene	BTEX 8021B		16.4	0.184	0.054	1.1	<0.050	<0.050
Ethytbenzene	BTEX 8021B		19.1	0.194	0.159	2.71	0.068	<0:050
Total Xylenes	BTEX 8021B		51.1	0.528	0.434	6.07	0.169	<0.150
Total BTEX	BTEX 8021B		90.4	0.905	0.647	9.98	<0.300	<0.300
Chloride	SM4500CI-B		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		4210	<10.0	7.07	329	<10.0	<10.0
DRO	TPH 8015M		11600	266	869	2460	462	71.1



March 07, 2013

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

RE: PURE GOLD A FED #2

Enclosed are the results of analyses for samples received by the laboratory on 02/27/13 9:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.tceg.texas.gov/field/ga/lab accredited certif.html.

Cardinal Laboratories is accreditated 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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ SURFACE (H300512-01)

BTEX 8021B	mg/	/kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	3.46	0.200	03/04/2013	ND	1. 9 8	98.9	2.00	2.34	
Toluene*	16.9	0.200	03/04/2013	ND	2.10	105	2.00	1.71	
Ethylbenzene*	16.7	0.200	03/04/2013	ND	2.11	106	2.00	1.41	
Total Xylenes*	51.9	0.600	03/04/2013	ND	6.39	106	6.00	1.43	
Total BTEX	89.0	1.20	03/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	339 9	89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	816	16.0	03/04/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	3600	100	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	25400	100	03/01/2013	ND	224	112	200	18.0	
Surrogate: 1-Chlorooctane	295 9	65.2-14	0						
	802 \$	63.6-15							

Sample ID: SP 1 @ 1' (H300512-02)

Chloride, SM4500Cl-B	тg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7040	16.0	03/04/2013	ND	415	104	400	0.00	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 2' (H300512-03)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/04/2013	ND	1.98	98.9	2.00	2.34	
Toluene*	<0.050	0.050	03/04/2013	ND	2.10	105	2.00	1.71	
Ethylbenzene*	<0.050	0.050	03/04/2013	· ND	2.11	106	2.00	1.41	
Total Xylenes*	<0.150	0.150	03/04/2013	ND	6.39	106	6.00	1.43	
Total BTEX	<0.300	0.300	03/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	125 %	6 89.4-12	6						,
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	336	16.0	03/04/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	18.6	10.0	03/01/2013	ND	224	112	200	18.0	
Surrogate: 1-Chlorooctane	100 %	65.2-14	0				,		
	111 %	63.6-15	1						

Chloride, SM4500Cl-B Analyzed By: DW mg/kg Qualifier Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride 80.0 16.0 03/04/2013 ND 0.00 416 104 400

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 4' (H300512-05)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/04/2013	ND	416	104	400	0.00	

Sample ID: SP 2 @ SURFACE (H300512-06)

BTEX 8021B	mg	/kg	Analyze	d By: AP					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.05	0.200	03/04/2013	ND	1.98	98.9	2.00	2.34	
Toluene*	16.1	0.200	03/04/2013	ND	2.10	105	2.00	1.71	
Ethylbenzene*	16.6	0.200	03/04/2013	ND	2.11	106	2.00	1.41	
Total Xylenes*	46.0	0.600	03/04/2013	ND	6.39	106	6.00	1.43	
Total BTEX	81.7	1.20	03/04/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE 371 % 89.4-126

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	03/04/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3120	100	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	22700	100	03/01/2013	ND	224	112	200	18.0	
Surrogate: 1-Chlorooctane	281 5	65.2-14	0						
Surrogate: 1-Chlorooctadecane	757 9	63.6-15	4						

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Celey & Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H300512-07)

Chloride, SM4500CI-8	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	03/04/2013	ND	416	104	400	0.00	

Sample ID: SP 2 @ 2' (H300512-08)

BTEX 8021B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2013	ND	1.98	98.9	2.00	2.34	
Toluene*	<0.050	0.050	03/04/2013	ND	2.10	105	2.00	1.71	
Ethylbenzene*	<0.050	0.050	03/04/2013	ND	2.11	106	2.00	1.41	
Total Xylenes*	<0.150	0.150	03/04/2013	ND	6.39	106	6.00	1.43	
Total BTEX	<0.300	0.300	03/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	124 9	89.4-12	6				*****		
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/04/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	18.3	10.0	03/01/2013	ND	224	112	200	18.0	
Surrogate: I-Chlorooctane									
burrogate. I Ontoroottane	100 9	65.2-14	0						

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Celeg Di Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 3' (H300512-09)

Chloride, SM4500Cl-B	тд	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/04/2013	ND	416	104	400	0.00	

Sample ID: SP 2 @ 4' (H300512-10)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/04/2013	ND	416	104	400	0.00	

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Celeg Di Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ SURFACE (H300512-11)

BTEX 8021B	mg/l	(g	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	2,78	0.100	03/07/2013	ND	1.80	90.2	2.00	2.29	
Toluene*	12.8	0.100	03/07/2013	ND	1.91	95.3	2.00	2.42	
Ethylbenzene*	12.8	0.100	03/07/2013	ND	1.90	95.2	2.00	2.95	
Total Xylenes*	34.3	0.300	03/07/2013	ND	5.87	97.8	6.00	2.95	
Total BTEX	62.7	0.600	03/07/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	504 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/l	¢g	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Anatyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	03/04/2013	ND	416	104	400	0.00	
TPH 8015M	mg/l	٨g	Analyze	d By: MS					5-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B\$	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3620	100	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	26300	100	03/01/2013	ND	224	112	200	18.0	
Surrogate: 1-Chlorooctane	289 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	898 %	63.6-15	1						

Sample ID: SP 3 @ 1' (H300512-12)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7120	16.0	03/04/2013	ND	416	104	400	0.00	

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 2' (H300512-13)

BTEX 8021B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/06/2013	ND	1.80	90.2	2.00	2.29	
Toluene*	<0.050	0.050	03/06/2013	ND	1.91	95.3	2.00	2.42	
Ethylbenzene*	<0.050	0.050	03/06/2013	ND	1.90	95.2	2.00	2.95	
Total Xylenes*	<0.150	0.150	03/06/2013	ND	5.87	97.8	6.00	2.95	
Total BTEX	<0.300	0.300	03/06/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	113 \$	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifie
Chloride	416	16.0	03/04/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	03/01/2013	ND	227	114	200	15.8	
DRO >C10-C28	26.4	10.0	03/01/2013	ND	224	112	200	18.0	
Surrogate: 1-Chlorooctane	97.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	105 9	63.6-15	1						

Sample ID: SP 3 @ 3' (H300512-14)

Chloride, SM4500Cl-B	ride, SM4500CI-B mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/04/2013	ND	416	104	400	3.77	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/07/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 4' (H300512-15)

Chloride, SM4500CI-B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/04/2013	ND	416	104	400	3.77	

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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 SM4500CI-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

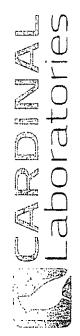
*=Accredited Analyte

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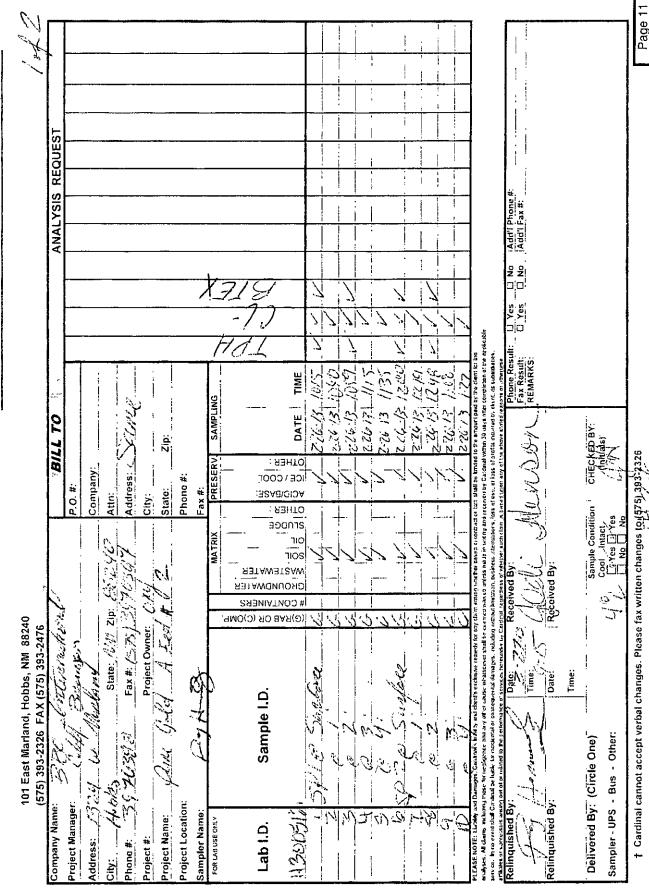
Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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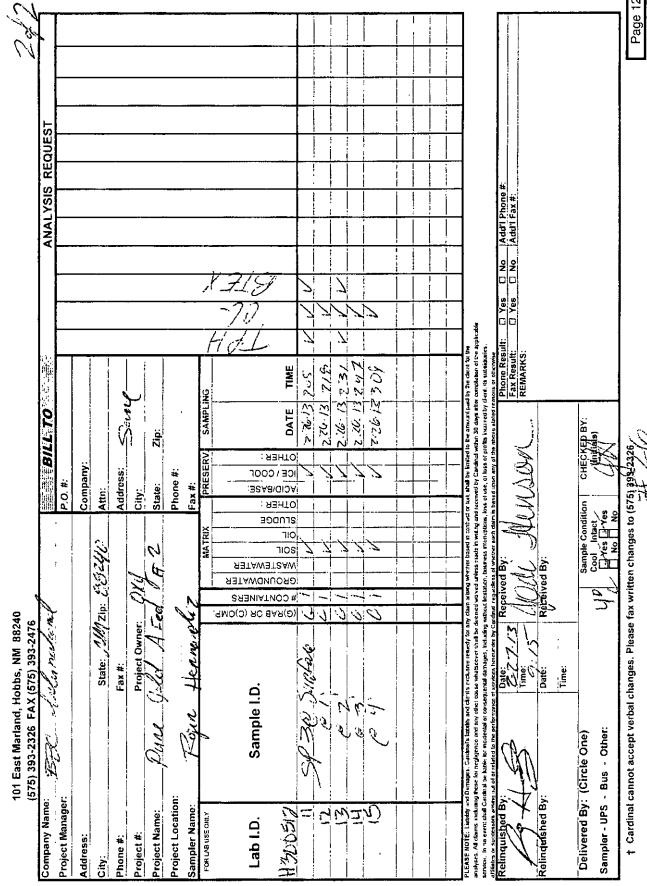
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Page 11 of 12



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Page 12 of 12



April 08, 2013

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

RE: PURE GOLD A FED #2

Enclosed are the results of analyses for samples received by the laboratory on 04/02/13 8:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.tceg.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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,

Celey D. Kune

Celey D. Keene Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H300772-01)

BTEX 8021B	mg,	/kg	Analyze	d By: AP					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.97	0.500	04/08/2013	ND	2.02	101	2.00	0.606	
Toluene*	13.6	0.500	04/08/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	14.5	0.500	04/08/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	41.3	1.50	04/08/2013	ND	6.90	115	6.00	0.229	
Total BTEX	72.3	3.00	04/08/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	184 5	89.4-12	6						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	, mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4710	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	12000	50.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	277 5	65.2-14	0						
Surrogate: 1-Chlorooctadecane	352 \$	63.6-15	4						

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Celey Di Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 2' (H300772-02)

BTEX 8021B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	0.106	0.050	04/04/2013	NÐ	2.23	112	2.00	0.756	
Ethylbenzene*	0.122	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	0.350	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	0.578	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	120 9	6 89.4-12	6			<u></u>			
Chloride, SM4500CI-B	mg/	kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ŃD	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	26.6	10.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	86.3 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	112 %	6 63.6-15	,						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 3' (H300772-03)

BTEX 8021B	mg/kg		Analyze	Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2,00	0.606	
Toluene*	0.066	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	0.395	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	0.896	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	1.36	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	191	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	` Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	80.5	50.0	04/02/2013	ND	191	95.5	200	2,72	
DRO >C10-C28	1140	50.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	91.2	% 65.2-14	0						••
Surrogate: 1-Chlorooctadecane	134 9	63.6-15							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 5' (H300772-04)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.177	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	1.95	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	4.60	0.050	04/04/2013	ND	2.32	116	2,00	0.556	
Total Xylenes*	11.8	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	18.6	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	527 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	751	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	4760	50.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	150 9	65.2-14	0	·					
Surrogate: 1-Chlorooctadecane	194 9	63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 7' (H300772-05)

BTEX 8021B	mg,	/kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	<0.050	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	0.204	0.050	04/04/2013	ND	2.32	116	2,00	0.556	
Total Xylenes*	0.492	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	0.696	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	159	% 89.4-12	6			<u>.</u>			
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/02/2013	ND	191	95.5	200	2,72	
DRO >C10-C28	892	50.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	82.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	123 9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 9' (H300772-06)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	<0.050	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	<0.050	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	<0.150	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	<0.300	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	109 9	89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	101	10.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	99.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	120 9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2@ 1' (H300772-07)

BTEX 8021B	mg,	/kg	Analyze	et By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.21	0.100	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	15.1	0.100	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	19.4	0.100	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	53. 9	0.300	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	90.6	0.600	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	681	89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3910	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	11300	50.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	261 ;	65.2-14	0						
Surrogate: 1-Chlorooctadecane	338 :	63.6-15	1						

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Celey Di Kuna

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 2' (H300772-08)

BTEX 8021B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	0.117	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	0.144	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	0.406	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	0.667	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	123 9	89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	268	10.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	102 ;	65.2-14	0						
Surrogate: 1-Chlorooctadecane	131 9	63.6-15							

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Celeg Di Kune

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:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 3' (H300772-09)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	2.02	101	2.00	0.606	
Toluene*	0.404	0.050	04/04/2013	ND	2.23	112	2.00	0.756	
Ethylbenzene*	1.09	0.050	04/04/2013	ND	2.32	116	2.00	0.556	
Total Xylenes*	2.67	0.150	04/04/2013	ND	6.90	115	6.00	0.229	
Total BTEX	4.16	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	247 \$	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	337	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	2300	50.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	1109	65.2-14	0						
Surrogate: 1-Chlorooctadecane	144 9	63.6-15	1						

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Celeg Di Kerne

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 5' (H300772-10)

BTEX 80218	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	0.452	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	1.82	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	3.72	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	9.07	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	15.1	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	517 9	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	583	50.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	3960	50.0	04/02/2013	NÐ	198	99.2	200	7,84	
Surrogate: 1-Chlorooctane	139 9	65.2-14	0				_		
Surrogate: 1-Chlorooctadecane	179 9	63.6-15							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 7' (H300772-11)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	0.062	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	0.177	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	<0.300	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIC	120 \$	89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/02/2013	ND	191	95.5	200	2,72	
DRO >C10-C28	530	50.0	04/02/2013	ND	1 9 8	99.2	200	7.84	
Surrogate: 1-Chlorooctane	82.9 !	65.2-14	0		_				
Surrogate: 1-Chlorooctadecane	1249	63.6-15	4						

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Received:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 9' (H300772-12)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	<0.050	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	<0.300	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	. Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/02/2013	ND	191	95.5	200	2.72	
DRO >C10-C28	101	10.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: I-Chlorooctane	93.8 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	118 %	63.6-15							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 1' (H300772-13)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.82	0.200	04/05/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	16.4	0.200	04/05/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	19.1	0.200	04/05/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	51.1	0.600	04/05/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	90.4	1.20	04/05/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	374 %	6 89.4-120	; ;						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ċhloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4210	50.0	04/02/2013	ND	191	95.5	200	2,72	
DRO >C10-C28	11600	50.0	04/02/2013	ND	198	99.2	200	7.84	
Surrogate: 1-Chlorooctane	2719	6 65.2-140)						

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Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 2' (H300772-14)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	0.184	0.050	04/04/2013	ND	1.88	94.0	2,00	12.7	
Ethylbenzene*	0.194	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	0.528	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	0.905	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	132 9	89.4-12	6			-			
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	266	10.0	04/03/2013	ND	199	99.6	200	3.61	
Surrogate: 1-Chlorooctane	101 \$	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1129	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 3' (H300772-15)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	0.054	0.050	04/04/2013	ND	1.88	94.0	2.00	12,7	
Ethylbenzene*	0.159	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	0.434	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	0.647	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	139 \$	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Алајузе	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	70.7	50.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	869	50.0	04/03/2013	ND	199	99.6	200	3.61	
Surrogate: 1-Chlorooctane	85.1	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1149	63.6-15							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	04/02/2013	Sampling Date:	03/27/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 5' (H300772-16)

BTEX 8021B	mg/	'kg	Analyze	d By: AP					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.104	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	1.10	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	2.71	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	6.07	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	9.98	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	430 \$	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	329	50.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	2460	50.0	04/03/2013	ND	199	99.6	200	3.61	
Surrogate: 1-Chlorooctane	110 9	% 65.2-14	0					-	
Surrogate: 1-Chlorooctadecane	147 9	63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 7' (H300772-17)

BTEX 8021B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	0.068	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	0.169	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	<0.300	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	1169	% 89.4-12	6						
Chloride, SM4500Cl-8	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28 .	462	10.0	04/03/2013	ND	199	99.6	200	3.61	
Surrogate: I-Chlorooctane	99,4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	120 \$	% 63.6-15							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/02/2013	Sampling Date:	03/28/2013
Reported:	04/08/2013	Sampling Type:	Soil
Project Name:	PURE GOLD A FED #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 9' (H300772-18)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2013	ND	1.64	82.2	2.00	13.9	
Toluene*	<0.050	0.050	04/04/2013	ND	1.88	94.0	2.00	12.7	
Ethylbenzene*	<0.050	0.050	04/04/2013	ND	1.95	97.6	2.00	13.4	
Total Xylenes*	<0.150	0.150	04/04/2013	ND	5.92	98.6	6.00	11.6	
Total BTEX	<0.300	0.300	04/04/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	105 \$	% 89.4-12	б						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/03/2013	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/03/2013	ND	205	103	200	4.44	
DRO >C10-C28	71.1	10.0	04/03/2013	ND	199	99.6	200	3.61	
Surrogate: 1-Chlorooctane	95.1	65.2-14	0						
Surrogate: 1-Chlorooctadecane	1149	6 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Candonal's liability and client's exclusive remedy for any dawn anising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whitspeerer shall be deemed waved unlies made in writing and received by claims, including those for negligence and including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors among out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated reasons or otherwise. Results relation by to the samples demoted above. This reproduced exception in thild with interna paproval of Cardinal Liboratories.

Celeg Di Keine

Celey D. Keene, Lab Director/Quality Manager



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 SM4500CI-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

*=Accredited Analyte

PERSE NOTE: Labely and Damages. Cardinal's labely and chert's evolusive remedy for any dawn ansing, whether based in contract or tort, shall be limited to the amount paid by chert for analyses. All dawns, including those for neglegence and any other cause whistoever shall be deemed waved unless made in writing and received by claims, actualing those for incidental or consequential damages, including, writious limitation, business interruptions, loss of use, or loss of profits incurred by claims, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the shore stated reasons or otherwes. Results relate only to the sample claim claims and another such claims based in full with mitter approval damages.

Celeg Li Keine

Celey D. Keene, Lab Director/Quality Manager

Page 20 of 22

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Address

Facility Name

Surface Owner

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 October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action Final Report **OPERATOR** 🛛 Initial Report Name of Company Oxy Permian Ltd. Contact CJ Summers 1017 W. Stanolind Rd, Hobbs, NM Telephone No. (575) 397-8216 Pure Gold A Federal #2 Battery Facility Type Gathering BLM Mineral Owner Lease No. NM 38464

LOCATION OF RELEASE								
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
							1	
M	21	238	31E			\		Eddy

Longitude <u>W 103.79005</u> Latitude N 32.28428°

NA	TU	RE	OF	REL	JEA	SE

Type of Release CAL and Produced water	volume of Release 15 bbls water and 0.5 bbls skim oil	Volume F	lecovered / bois					
Source of Release Flex Coupling broke on water transfer pump	Date and Hour of Occurrence 2/08/13	Date and	Hour of Discovery					
Was Immediate Notice Given?	If YES, To Whom?							
Yes 🗋 No 🗋 Not Require	Mike Bratcher- OCD; James Amos & Jennifer Van Curen- BLM							
By Whom? Chancey Summers	Date and Hour 2/11/13 @ 7:29 am							
Was a Watercourse Reached?	If YES, Volume Impacting the W	stercourse.						
If a Watercourse was Impacted, Describe Fully.*								
	· , · ·							
Describe Cause of Problem and Remedial Action Taken.*								
Flex coupling on a water transfer pump broke and caused 15 bbls of wat via vacuum truck. The coupling was repaired.	er and U.S bbi of skim oil to leak onto	the ground, 7	bols of fluid were recovered					
to reputer were the cooping was opened.								
Describe Area Affected and Cleanup Action Taken.*	ـــــــــــــــــــــــــــــــــــــ							
Pt								
Flex coupling on a water transfer pump broke and caused 15 bbls of wat via vacuum truck. The coupling was repaired. Remediation will be perf								
via violati a dolt, i no opapsile mastoparioa, respetatation win of por		e orsut abbro	ver remodiation plan.					
I hereby certify that the information given above is true and complete to	the best of my knowledge and underst	and that pursu	ant to NMOCD rules and					
regulations all operators are required to report and/or file certain release	notifications and perform corrective a	ctions for rele	ases which may endanger					
public health or the environment. The acceptance of a C-141 report by a should their operations have failed to adequately investigate and remedia	he NMOCD marked as "Final Report"	does not relie	eve the operator of liability					
or the environment. In addition, NMOCD acceptance of a C-141 report	does not relieve the operator of respon	ground water,	multiance water, numan nearm					
federal, state, or local laws and/or regulations.	and not tonove and operation of teopor	31011119 201 00	inpriance whit any earch					
	OIL CONSER	VATION	DIVISION					
Signature:								
Printed Name: Chancey Summers	Approved by District Supervisor:							
Title: HES Specialist	Approval Date:	Expiration D	Date:					
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached 🔲					
Date: 3-12-13 Phone: (575) 397-8216	16							

* Attach Additional Sheets If Necessary

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesis, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Sama 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 October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Relcase Notification and Corrective Action

	_ OPERATOR	🛛 Initial Report	Final Report
Name of Company Oxy Permian Ltd.	Contact CJ Summers		
Address 1017 W. Stanolind Rd, Hobbs, NM	Telephone No. (575) 397-8210	6	
Facility Name Pure Gold A Federal #2 Battery	Facility Type Gathering		
	10		0.464

Surface Owner BLM	Mineral Owner	Lease No. NM 38464
	LOCATION OF RE	l FASF

DOCATION OF REDEADE									
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County	
M	21	235	31E	660	South	330	West	Eddy	J

Latitude <u>N 32.28428°</u> Longitude <u>W 103.79005</u>

NATURE OF RELEASE

Type of Release Oil	Volume of Release 15 bbls	Volume Recovered 0 bbls					
Source of Release Tank overflow	Date and Hour of Occurrence 3/5/2013	Date and Hour of Discovery					
Was Immediate Notice Given?	If YES, To Whom?						
🛛 Yes 🔲 No 🗌 Not Require	ed Mike Bratcher- OCD; James Amos & Jennifer Van Curen- BLM						
By Whom? Chancey Summers	Date and Hour 3/6/13 @ 8:40 at						
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	alercourse.					
If a Watercourse was Impacted, Describe Fully.*	· · · · · · · · · · · · · · · · · · ·						
Describe Cause of Problem and Remedial Action Taken.*							
The loss of gas caused a tank overflow spilling 15 bbls of oil onto the gr	and No fluide ware measured and th	to course of the release ups corrected					
The loss of Bes caused a lank overhow shifting 15 pais of our outo the gr	olaid. No maids were recovered and di	le source of the release was corrected.					
Describe Area Affected and Cleanup Action Taken.*							
The area affected is approximately 40' x 90'. The loss of gas caused a ta	unk comeflour an iting 16 blig of oil out	a the way and . No flyide users experienced and					
the source of the release was corrected. Remediation will be performed	in accordance with an OCD and BLM	a me ground. No mailes was recovered and approved remediation plan.					
I hereby certify that the information given above is true and complete to	the best of my knowledge and underste	and that pursuant to NMOCD rules and					
regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by it	nouncations and perform corrective ac	does not releases which may endanger					
should their operations have failed to adequately investigate and remedia	te contamination that pose a threat to g	ground water, surface water, human health					
or the environment. In addition, NMOCD acceptance of a C-141 report	does not relieve the operator of response	sibility for compliance with any other					
federal, state, or local laws and/or regulations.		LATION DU HELON					
	OIL CONSERV	VATION DIVISION					
Signature:							
Printed Name: Chancey Summers	Approved by District Supervisor:						
Printed Name: Chancey Summers							
Title: HES Specialist	Approval Date:	Expiration Date:					
E mail Address Changes Summer and annu ann							
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:	Attached					
Date: 3-12-12 Phone: (575) 307-8216	6						

* Attach Additional Sheets If Necessary