Closure Report

Closure approved 04/10/2023 Jocelyn Harimon Environmental Specialist

Site Description							
Site Name:	Plains Knight #1 Tank Battery						
Company:	Oxy Permian Ltd.						
Legal Description:	U/L L, Section 23, T24S, R37E						
County:	Lea County, NM						
GPS Coordinates:	N 32.19978° W 103.13753°						

Release Data							
Date of Release:	12/19/16						
Type of Release:	Produced water						
Source of Release:	Pump toggle switch failure caused tank spill						
Volume of Release:	15 bbls						
Volume Recovered:	10 bbls						

Remediation Specifications								
Remediation Parameters:	Excavate the areas around SP1 & SP2 to a depth of 1.5 ft. Obtain 3 bottom & 5 sidewall samples. Excavate the area around SP3 to a depth of 2 ft. Obtain 1 bottom & 3 sidewall samples. Excavate the overspray area at SP4 to a depth of 6 in. Backfill the site with clean soil.							
Remediation Activities:	12/08/2017 to 1	2/12/2017						
Plan Sent to OCD:	07/08/2017	Email from Cliff Brunson to Olivia Yu						
OCD Approval of Plan:	08/02/2017 Email from Olivia Yu to Cliff Brunson							
Plan Sent to BLM:	n/a	n/a n/a						
BLM Approval of Plan:	n/a	n/a						

Supporting Documentation							
Initial C-141	Signed 01/09/2017						
Final C-141	Upon completion						
Site Diagram	December 2016						
Groundwater Plot	50'-75'						
TOPO Maps	December 2016						
Lab Summary	01/19/2017, 03/06/2017, 12/12/2017						
Lab Analysis	01/19/2017, 03/06/2017, 12/12/2017						
Correspondence	Request and approval of remediation plan via email						

Request for Closure

Based on the completion of the remediation plan, Oxy requests closure approval from NMOCD.

Wade Dittrich, Oxy Permian Ltd.

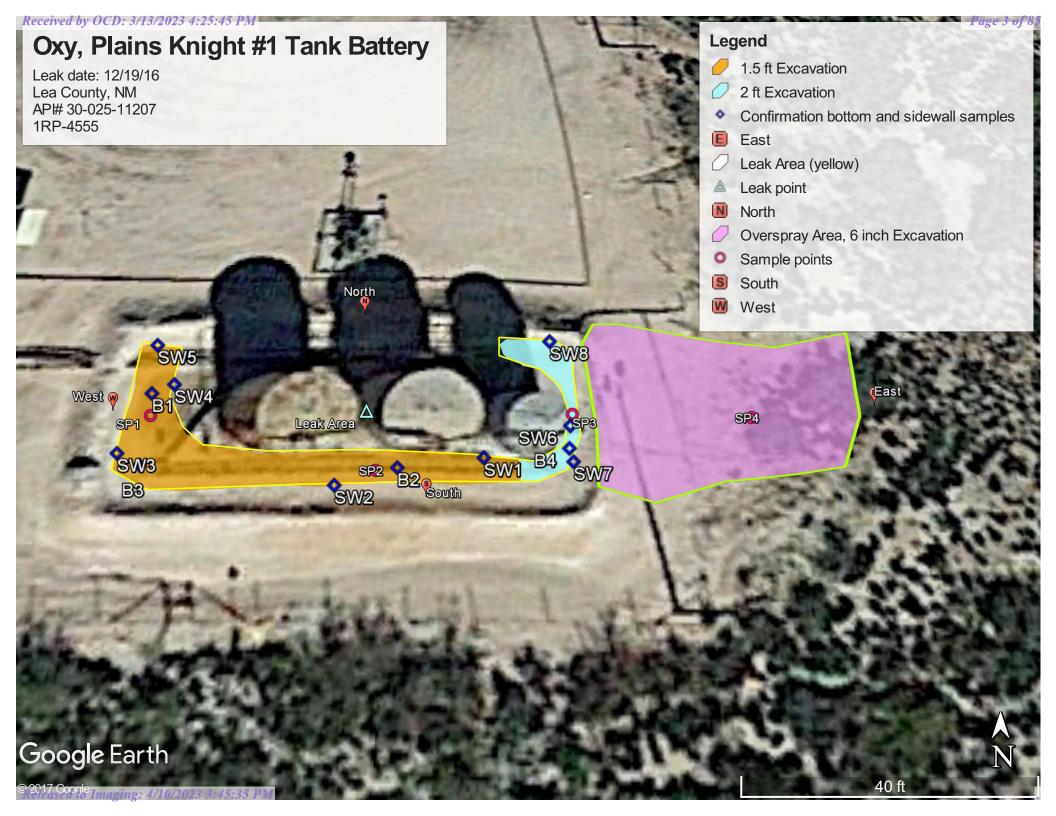
01/02/2018

State of New Mexico **Energy Minerals and Natural Resources**

Form C-141 Revised August 8, 2011 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

	Release Notific	ation	and Co	rrective A	ction						
<u></u>			OPERA?		\boxtimes	Initial Re	eport		Final Report		
Name of Company Oxy Permian Address PO Box 4294; Houston,			Contact C Felephone N	asey Summers Io. (575) 513	อาจก						
Facility Name Plains Knight #17		_	Facility Typ		-6209						
Surface Owner	Mineral O	wner			AP	I No. 3	30-025-1	1207			
			OF REI	FASE				-			
Unit Letter Section Township	Range Feet from the		South Line	Feet from the	East/West L	ine Co	ounty		- 1001 - 0		
L 23 24S	37E					1.0	a County	NM.			
	Latitude N 32.19978° Longitude W 103.13753°										
		_	-	into a travalante e contra	_						
Type of Release Produced water	Type of Release Produced water Volume of Release 15 bbls Volume Recovered 10 bbls										
	o failure of a pump toggle	switch		our of Occurrenc	e Date	and Hou	r of Disc	overy			
Was Immediate Notice Given?			12/19/2016 If YES, To								
	Yes No Not Re	quired		rding- NMOCD							
By Whom? Kathy@ BBC International Was a Watercourse Reached?	al, Inc.			our 12/21/2010							
	Yes 🛛 No		11 1ES, VO	lume Impacting t	ne watercours	ie.					
If a Watercourse was Impacted, Describ	ne Fully.*										
Describe Cause of Problem and Remedical Failure of a pump toggle switched cause produced water and the switch was returned to Describe Area Affected and Cleanup Act The affected area is approximately 70' NMOCD. I hereby certify that the information giver regulations all operators are required to public health or the environment. The act of the problem is the service of the public health or the environment.	ed a tank to spill 15 bbls of transition of the control of the con	e firewall lete to th elease no	I. Remediation to be best of my otifications are NMOCD markets.	on will be comple knowledge and u id perform correc arked as "Final Ro	eted in accordary	pursuant r releases t relieve	t to NMOs which n	pprove OCD ru nay en	d by lles and danger liability		
should their operations have failed to ad or the environment. In addition, NMOC federal, state, or local laws and/or regula	CD acceptance of a C-141 i	emediate report de	es not reliev	on that pose a three the operator of i	eat to ground responsibility	vater, sur for compl	rtace wat diance wi	er, hun th any	nan health other		
				OIL CONS	SERVATION	ON DI	VISIO	<u>N</u>			
Signature:	\$2000 mgs.ts										
Printed Name: Casey Summers			Approved by	Environmental S	pecialist:						
Title: NM Environmental Advisor		A	Approval Dat	e:	Expira	tion Date	3:				
E-mail Address: Casey Summers@o Date:	89	Conditions of	Approval:		A	Attached					
Attach Additional Sheets If Necessar	ry										



Oxy, Plains Knight #1 Tank Battery

Sample points, hand auger

SP1, N 32.19981 W-103.13771

SP2, N 32.19978 W-103.13759

SP3, N 32.19981 W-103.13749

SP4, N 32.19981 W-103.13740

NORTH, N 32.19986 W-103.13760

SOUTH, N 32.19977 W-103.13757

EAST, N 32.19982 W-103.13734

WEST, N 32.19981 W-103.13773

Confirmation sample points, hand auger

B1, N 32.19982 W-103.13771

B2, N 32.19978 W-103.13758

B3, N 32.19978 W-103.13771

B4, N 32.19979 W-103.13750

SW1, N 32.19979 W-103.13754

SW2, N 32.19977 W-103.13761

SW3, N 32.19979 W-103.13772

SW4, N 32.19982 W-103.13770

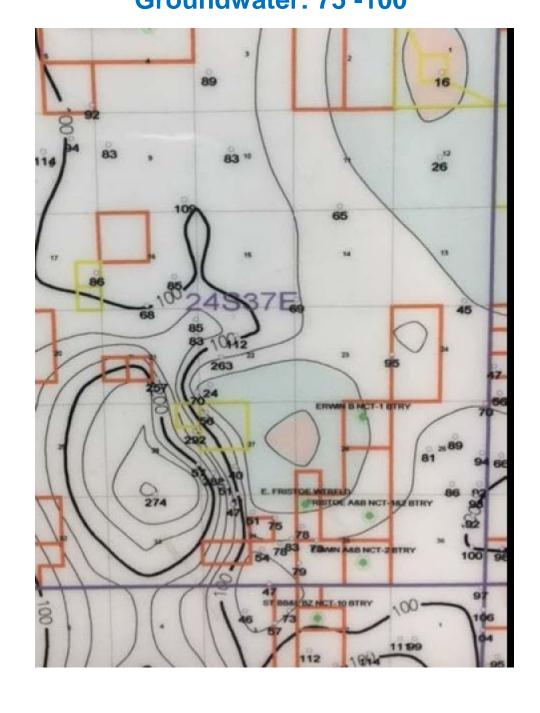
SW5, N 32.19984 W-103.13771

SW6, N 32.19980 W-103.13750

SW7, N 32.19979 W-103.13749

SW8, N 32.19985 W-103.13751

Oxy, Plains Knight #1 Tank Battery U/L L, Section 23, T24S, R37E Groundwater: 75'-100'





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned,

C=the file is

(quarters are 1=NW 2=NE 3=SW 4=SE)

closed)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

		POD Sub-		Q	Q	Q								W	ater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceD	epthWellDe	pthWater Co	lumn
<u>CP 00540</u>			LE				23	24S	37E	675913	3564435*	641	110	94	16
<u>CP 00289 POD1</u>		CP	LE	4	1	1	23	24S	37E	675388	3564938*	708	1105		
<u>CP 00301 POD1</u>		CP	LE	4	2	1	22	24S	37E	674182	3564918*	1312	85		
<u>CP 00663</u>			LE	1	1	3	24	24S	37E	676812	3564362*	1514	112	100	12
<u>CP 00302 POD1</u>		CP	LE	3	3	1	24	24S	37E	676805	3564564*	1537	88		
<u>CP 00303 POD1</u>		CP	LE	3	3	1	24	24S	37E	676805	3564564*	1537	87		

Average Depth to Water:

97 feet

Minimum Depth:

94 feet

Maximum Depth:

100 feet

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 675303 **Northing (Y):** 3564235 **Radius:** 1700

*UTM location was derived from PLSS - see Help

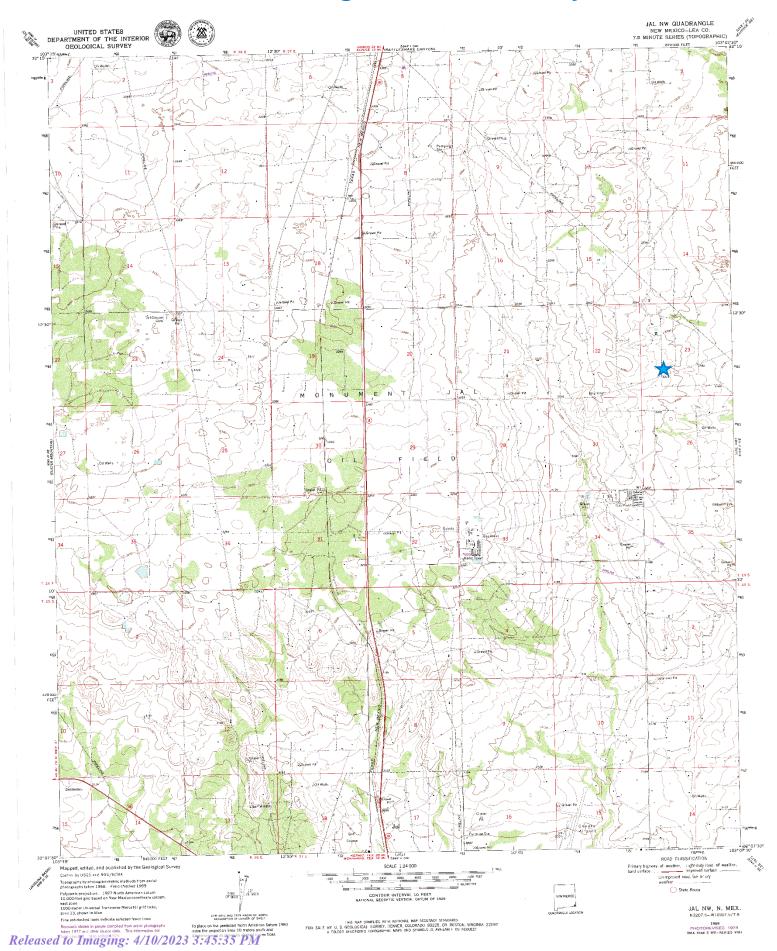
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

4/17/17 9:01 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

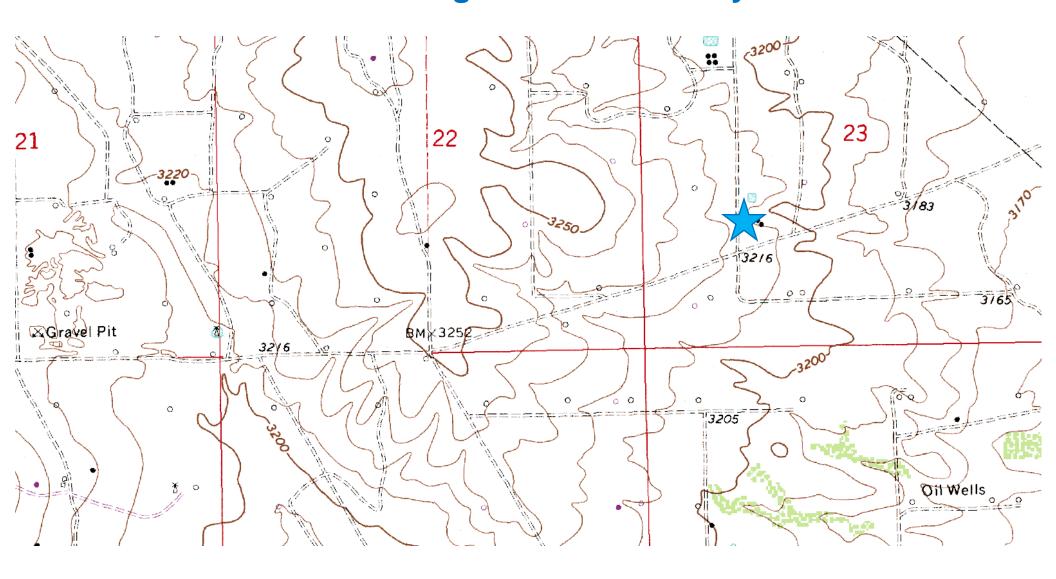
Q64: Q16		urvey System (PLSS) Sec: 23 Tws: 24S Rng: 37E							
X: ft	State Plane Coord	rdinate System - NAD27 Zone:							
State Plane Coordinate System - NAD83 X: ft Y: ft Zone:									
Longitude (X): Latitude (Y):									
UTM - NAD27 Easting (X): mtrs Northing (Y): mtrs Zone:									
All Conversion Results are displayed as NAD 1983 UTM Zone 13 Easting (X): 675303.0 mtrs Northing (Y): 3564235.0 mtrs ~~ Please keep screen open to copy UTM values for Reports. ~~									

Plains Knight #1 Tank Battery



Oxy

Plains Knight #1 Tank Battery



Laboratory Analytical Results Summary Plains Knight #1 TB

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	1/19/17	1/19/17	3/6/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.100	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		0.174	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		1.22	< 0.150	<0.150
Total BTEX	BTEX 8021B		1.39	< 0.300	< 0.300
Chloride	SM4500CI-B		560	368	128
GRO	TPH 8015M		<200	<50.0	<10.0
DRO	TPH 8015M		19600	169	17

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	1/19/17	1/19/17	3/6/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.200	<0.100	< 0.050
Toluene	BTEX 8021B		< 0.200	< 0.100	< 0.050
Ethylbenzene	BTEX 8021B		0.239	0.244	< 0.050
Total Xylenes	BTEX 8021B		2.01	0.566	<0.150
Total BTEX	BTEX 8021B		2.25	0.811	< 0.300
Chloride	SM4500CI-B		976	256	160
GRO	TPH 8015M		309	<200	<10.0
DRO	TPH 8015M		8750	2470	<10.0

		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	1/19/17	1/19/17	3/6/17	3/6/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	< 0.100	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.200	< 0.100	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.200	0.392	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		1.39	0.943	< 0.150	<0.150
Total BTEX	BTEX 8021B		1.39	1.34	< 0.300	< 0.300
Chloride	SM4500CI-B		400	224	480	176
GRO	TPH 8015M		224	<200	<50.0	<10.0
DRO	TPH 8015M		21000	2860	<50.0	<10.0

		Sample	SP4 @ SURFACE	SP4 @ 1'
Analyte	Method	Date	1/19/17	3/6/17
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300
Chloride	SM4500CI-B		240	128
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		220	<10.0

		Sample	NORTH SAMPLE			
Analyte	Method	Date	1/19/17			
			mg/Kg			
Benzene	BTEX 8021	< 0.050				
Toluene	BTEX 8021	< 0.050				
Ethylbenz	BTEX 8021	< 0.050				
Total Xyle	BTEX 8021	BTEX 8021B				
Total BTE	BTEX 8021	IB	< 0.300			
Chloride	SM4500CI-	SM4500CI-B				
GRO	TPH 8015N	<10.0				
DRO	TPH 8015	Л	<10.0			

		Sample	SOUTH SAMPLE
Analyte	Method	Date	1/19/17
			mg/Kg
Benzene	BTEX 8021	IB	< 0.050
Toluene	BTEX 8021	IB	< 0.050
Ethylbenz	BTEX 8021	IB	< 0.050
Total Xyle	BTEX 8021	IB	< 0.150
Total BTE	BTEX 8021	IB	< 0.300
Chloride	SM4500CI-	В	<16.0
GRO	TPH 8015	И	<10.0
DRO	TPH 8015N	VI	<10.0

		Sample	WEST SAMPLE
Analyte	Method	Date	1/19/17
			mg/Kg
Benzene	BTEX 8021	IB	< 0.050
Toluene	BTEX 8021	IB	< 0.050
Ethylbenz	BTEX 8021	IB	< 0.050
Total Xyle	BTEX 8021	IB	< 0.150
Total BTE	BTEX 8021	IB	< 0.300
Chloride	SM4500CI-	·B	<16.0
GRO	TPH 8015	И	<10.0
DRO	TPH 8015N	Л	<10.0

		Sample	EAST SAMPLE
Analyte	Method	Date	1/19/17
			mg/Kg
Benzene	BTEX 8021	IB	< 0.050
Toluene	BTEX 8021	IB	< 0.050
Ethylbenz	BTEX 8021	IB	< 0.050
Total Xyle	BTEX 8021	IB	<0.150
Total BTE	BTEX 8021	IB	< 0.300
Chloride	SM4500CI-	·B	<16.0
GRO	TPH 8015N	И	<10.0
DRO	TPH 8015N	И	<10.0

Laboratory Analytical Results Summary Plains Knight #1 Tank Battery

			воттом	воттом	BOTTOM	BOTTOM
		Sample ID	#1	#2	#3	#4
Analyte	Method	Date	12/12/17	12/12/17	12/12/17	12/12/17
			mg/kg	mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B		<16.0	16	16	32
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

			SIDEWALL							
		Sample ID	#1	#2	#3	#4	#5	#6	#7	#8
Analyte	Method	Date	12/12/17	12/12/17	12/12/17	12/12/17	12/12/17	12/12/17	12/12/17	12/12/17
			mg/kg							
Chloride	SM4500CI-B		16	<16.0	16	32	16	<16.0	<16.0	16
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0



January 30, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PLAINS KNIGHT #1 TB

Enclosed are the results of analyses for samples received by the laboratory on 01/23/17 11:50.

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

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 1 @ SURFACE (H700147-01)

	mg/	кд	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.100	0.100	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	0.174	0.100	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	1.22	0.300	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	1.39	0.600	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Amalista	Darrille	Danastina Limit	A b a d	Matter of Diameter	BS	O/ Daggyamy	True Value QC	222	Qualifier
Analyte	Result	Reporting Limit	Analyzed	Method Blank	DS	% Recovery	True value QC	RPD	Qualifiei
,	560	16.0	01/25/2017	ND	416	% Recovery	400	3.77	Qualifier
Chloride		16.0	01/25/2017			•	·		S-06
Chloride	560	16.0	01/25/2017	ND		•	·		·
Chloride TPH 8015M	560 mg/	16.0 kg	01/25/2017 Analyze	ND d By: CK	416	104	400	3.77	S-06
Chloride TPH 8015M Analyte	560 mg/ Result	16.0 kg	01/25/2017 Analyze Analyzed	ND d By: CK Method Blank	416 BS	104 % Recovery	400 True Value QC	3.77 RPD	S-06
Chloride TPH 8015M Analyte GRO C6-C10	560 mg/ Result <200	16.0 kg Reporting Limit 200 200	01/25/2017 Analyze Analyzed 01/25/2017 01/25/2017	ND d By: CK Method Blank ND	416 BS 188	104 % Recovery 94.1	400 True Value QC 200	3.77 RPD 1.98	S-06

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Celey D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 1 @ 1' (H700147-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	01/25/2017	ND	188	94.1	200	1.98	
DRO >C10-C28	169	50.0	01/25/2017	ND	185	92.7	200	4.22	
Surrogate: 1-Chlorooctane	84.9 %	% 35-147	,						
Surrogate: 1-Chlorooctadecane	105 %	6 28-171							

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Celey D. Keine



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 2 @ SURFACE (H700147-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.200	0.200	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	0.239	0.200	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	2.01	0.600	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	2.25	1.20	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	6 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	309	50.0	01/25/2017	ND	188	94.1	200	1.98	
DRO >C10-C28	8750	50.0	01/25/2017	ND	185	92.7	200	4.22	
Surrogate: 1-Chlorooctane	556 %	6 35-147	,						
Surrogate: 1-Chlorooctadecane	169 9	6 28-171							

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Celeg & Freene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 2 @ 1' (H700147-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.100	0.100	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	0.244	0.100	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	0.566	0.300	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	0.811	0.600	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 %	6 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<200	200	01/25/2017	ND	188	94.1	200	1.98	
DRO >C10-C28	2470	200	01/25/2017	ND	185	92.7	200	4.22	
Surrogate: 1-Chlorooctane	109 9	6 35-147	7						
Surrogate: 1-Chlorooctadecane	150 9	6 28-171							

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Celey D. Keine



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 3 @ SURFACE (H700147-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.200	0.200	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.200	0.200	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	1.39	0.600	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	1.39	1.20	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	224	200	01/25/2017	ND	188	94.1	200	1.98	
DRO >C10-C28	21000	200	01/25/2017	ND	185	92.7	200	4.22	
Surrogate: 1-Chlorooctane	374 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	313 9	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 3 @ 1' (H700147-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.100	0.100	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	0.392	0.100	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	0.943	0.300	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	1.34	0.600	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	126 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: CK					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<200	200	01/25/2017	ND	188	94.1	200	1.98	
DRO >C10-C28	2860	200	01/25/2017	ND	185	92.7	200	4.22	
Surrogate: 1-Chlorooctane	108 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	196	% 28-171							

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Celey & Keine



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 4 @ SURFACE (H700147-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	< 0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	< 0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	6 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	01/25/2017	ND	188	94.1	200	1.98	
DRO >C10-C28	220	50.0	01/25/2017	ND	185	92.7	200	4.22	
Surrogate: 1-Chlorooctane	80.2 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	93.1 9	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: NORTH SAMPLE (H700147-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2017	ND	178	89.1	200	10.2	
DRO >C10-C28	<10.0	10.0	01/25/2017	ND	188	93.9	200	2.21	
Surrogate: 1-Chlorooctane	87.1 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	93.9 9	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SOUTH SAMPLE (H700147-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2017	ND	178	89.1	200	10.2	
DRO >C10-C28	<10.0	10.0	01/25/2017	ND	188	93.9	200	2.21	
Surrogate: 1-Chlorooctane	84.6 %	% 35-147	,						
Surrogate: 1-Chlorooctadecane	79.0 9	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: WEST SAMPLE (H700147-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	< 0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	< 0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2017	ND	178	89.1	200	10.2	
DRO >C10-C28	<10.0	10.0	01/25/2017	ND	188	93.9	200	2.21	
Surrogate: 1-Chlorooctane	86.7	% 35-147	,						
Surrogate: 1-Chlorooctadecane	84.8	% 28-171							

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Celey D. Keine



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: EAST SAMPLE (H700147-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/25/2017	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2017	ND	178	89.1	200	10.2	
DRO >C10-C28	<10.0	10.0	01/25/2017	ND	188	93.9	200	2.21	
Surrogate: 1-Chlorooctane	85.9 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	79.69	% 28-171							

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Sampler - UPS - Bus - Other:

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name.	BBC International, Inc.	al, Inc.		BILLTO	75				
Project Manag	Project Manager: Cliff Brunson			P.O. #:	000 000 000 000 000 000 000 000 000 00		ANALYSIS	REQUEST	
Address: P.C	P.O. Box 805			Company	Y C				
city: Hobbs		State: NM z	Zip: 88241	Attn: Act	A MINIMAN			_	
Phone #: 575	575-397-6388	Fax #: 575-3	575-397-0397	Address:	C	_	_	_	
Project #:		Project Owner: Oxy	Эху	City:					
Project Name:	Plains Knight #1 TB								
Project Location:	n: Lea County, NM			Dhone #					
Sampler Name:	Roger Hernandez	dez		Filolie #:					
FOR LAB USE ONLY			MATRIX	PRESERV. S.	SAMPLING				
Lab I.D.	Sample I.D.	DR (C)OMI	INERS WATER		2.,	ex t			
Lhioolh		(G)RAB	# CONT/ GROUNI WASTEV SOIL DIL	OTHER: ACID/BAS DE / COO DTHER:	DATE TIME O	KT. CI TPI			
<u></u>	SP1 @ SURFACE	6	<	V 1	œ				
24	SP1@1'	0	-	· 1/19/17		(, ,			
=(SP2 @ SURFACE	0	-	1/19/17	/17 10:00 AM	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
V-	SD3 @ SUDTAGE	0	<	1/19/17	/17 10:35 AM	\ \ \			
	SP3 @ 4'	NG NG		1/19/17	/17 11:00 AM	\ \ \			
Je	CD1 @ CUDITAGE	0	-	1/19/17	/17 11:40 AM	\ \ \			
	NORTH SAME 5	0	'-	V 1/19/17	12:00 PM	\ \ \			
201	SOLITH SAMPLE	0	,	7 1/19/17	/17 1:05 PM	1 1			
5-	WEST SAMPLE	0		V 1/19/17	117 1:25 PM	\ \ \ \			
EASE NOTE: Liability an	LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or for shall be limited to the	t's exclusive remedy for any clain	n arising whether based in contra	1/19/17	17 1:45 PM	1 1 1			
halyses. All claims including rvice. In no event shall Car filiales or successors arising the linguished By;	allyses. All claims including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after competion of the applicable role. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by clerk, its substitaties, liables or successors arising out of or related to the performance of services hereunder by Cardinal waterdless of whether such claim is based upon any of the above stated reasons or otherwise. Cardinal waterdless of whether such claim is based upon any of the above stated reasons or otherwise.	use whatsoever shall be deemed tental damages, including without services hereunder by Cardinal Date.	any calam arising whether based in contract deemed waived unless made in writing an g without limitation, business interruptions, Cardinal, repartless of whether such claim Received Rv.	cl or lort, shall be limited to the amount paid by the client for not received by Cardinal within 30 days after compelion of th 1, boss of use, or loss of profits incurred by client, its subsidiary is based upon any of the above stated reasons or otherwise	ount paid by the client for the lays after completion of the ap tred by client, its subsidiaries, tated reasons or otherwise.		-		
lours	program	\$ 4			Phone Result: Fax Result: REMARKS:	∷ □ Yes □ No	Add'l Phone #: Add'l Fax #:		
elinquished By:	- C	1	Received By:	The state of the s					
Delivered By: (Circle One)	7	17:50 1	ven Je	moon	,				
	(oucle ouc)	0	Sample Condition	ion CHECKED BY					

Page 14 of 15

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

The second of th	BILL TO	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A1141 VOID 31011101
Project Manager: Cliff Brunson	P.O. #:		ANALYSIS REQUEST
Address: P.O. Box 805	Company: Kd		
City: Hobbs State: NM Zip: 88241	Attn: (aScu) Shimmof S	<u></u>	
Phone #: 575-397-6388 Fax #: 575-397-0397	ess:		
Project #: Project Owner: Oxy	City:		
Project Name: Plains Knight #1 TB	State: Zin:		
Project Location: Lea County, NM	#		
Sampler Name: Roger Hernandez	Fax #:		
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	_	
S ER	100		
Lab I.D. Sample I.D.	: ASE: DOL	<i>X</i>	
(G)RAE # CON	SLUDG OTHER ACID/B/ ICE / CC OTHER DATE TIME	BTE CI 1744	
II EAST SAMPLE 611	√ 1/19/17 2:00 PM	V V V	
THE THE PARTY OF T			
DE GOS NOTE :			
g those for negligence and any other cause whatsoever shall be deemed wasved unless made in with rotinal be liable for incidental or consequental damages, including without limitation, business interruy g out of or related to the performance of services hereunder by Cardinal, regardless of whether such	ontract or tort, shall be limited to the amount paid by the cli- ing and received by Cardinal within 30 days after completio blooms, loss of use, or loss of profits incurred by client, its sur- claim is based upon any of the about a factor.	ent for the n of the applicable bsidiaries,	
uald Received By:	Phone Resi	Phone Result: ☐ Yes ☐ No	Add'l Phone #: Add'l Fay #:
Relinquished By: Date: ha Reference By:	UMWW REMARKS:		AUGITAX#:
ueles umas Time: 50	MAON		
0	tion CHECKED BY:		
Sampler - DPS - Bus - Other: # 17 2140 Pres Pres	N. S.		

Page 15 of 15



March 14, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PLAINS KNIGHT #1 TB

Enclosed are the results of analyses for samples received by the laboratory on 03/08/17 10:30.

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

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (575) 397-0397

Received: 03/08/2017 Sampling Date: 03/06/2017

Reported: 03/14/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - JAL

Sample ID: SP 1 @ 2 (H700589-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89	
Toluene*	< 0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37	
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94	
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03	
Total BTEX	<0.300	0.300	03/13/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 72-148	,						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/09/2017	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	03/08/2017	ND	199	99.5	200	4.57	
DRO >C10-C28	17.0	10.0	03/08/2017	ND	211	106	200	7.03	
Surrogate: 1-Chlorooctane	84.0 9	25.1-15	8						
Surrogate: 1-Chlorooctadecane	87.2 9	% 26.8-17	0						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 03/08/2017 Sampling Date: 03/06/2017

Reported: 03/14/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - JAL

Sample ID: SP 2 @ 2 (H700589-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89	
Toluene*	<0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37	
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94	
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03	
Total BTEX	<0.300	0.300	03/13/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 72-148							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/09/2017	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	03/08/2017	ND	199	99.5	200	4.57	
DRO >C10-C28	<10.0	10.0	03/08/2017	ND	211	106	200	7.03	
Surrogate: 1-Chlorooctane	84.0 9	25.1-15	8						
Surrogate: 1-Chlorooctadecane	82.8 9	% 26.8-17	0						

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Celey D. Kreene



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 03/08/2017 Sampling Date: 03/06/2017

Reported: 03/14/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - JAL

Sample ID: SP 3 @ 2 (H700589-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89	
Toluene*	<0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37	
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94	
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03	
Total BTEX	<0.300	0.300	03/13/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 72-148	,						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/09/2017	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	03/08/2017	ND	199	99.5	200	4.57	
DRO >C10-C28	<50.0	50.0	03/08/2017	ND	211	106	200	7.03	
Surrogate: 1-Chlorooctane	93.8 9	25.1-15	8						
Surrogate: 1-Chlorooctadecane	99.3 9	26.8-17	0						

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Celey D. Keine



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 03/08/2017 Sampling Date: 03/06/2017

Reported: 03/14/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - JAL

Sample ID: SP 3 @ 3 (H700589-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89	
Toluene*	<0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37	
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94	
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03	
Total BTEX	<0.300	0.300	03/13/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 72-148	}						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/09/2017	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	03/08/2017	ND	199	99.5	200	4.57	
DRO >C10-C28	<10.0	10.0	03/08/2017	ND	211	106	200	7.03	
Surrogate: 1-Chlorooctane	87.7 9	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	86.8 9	% 26.8-17	0						

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Celeg & Freene



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 03/08/2017 Sampling Date: 03/06/2017

Reported: 03/14/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - JAL

Sample ID: SP 4 @ 1 (H700589-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89	
Toluene*	< 0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37	
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94	
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03	
Total BTEX	<0.300	0.300	03/13/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/09/2017	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	03/08/2017	ND	193	96.6	200	1.04	
DRO >C10-C28	<10.0	10.0	03/08/2017	ND	198	99.0	200	0.803	
Surrogate: 1-Chlorooctane	85.2 9	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	78.2 9	% 26.8-17	0						

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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived 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 incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of 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 identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keens



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-<u>5</u>476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

company name: BBC International, Inc.		ANALYSIS PROCESS
Project Manager: Cliff Brunson	P.O. #:	ANALYSIS REQUEST
Address: P.O. Box 805	Company: () + v	
City: Hobbs State: NM Zip: 88241	Attn:	
Phone #: 575-397-6388 Fax #: 575-397-0397	Address:	
Project #: Project Owner: 0 x	City:	
Project Name: Plain Knight # 1 78	State: Zip:	
Project Location:	#	
Sampler Name: Jeff	Fax #:	
3		
nple I.D.	SLUDGE OTHER: ACID/BASE: ICE/COOL OTHER: DATE	BTEX CL-
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EASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tod shall be limited to be contracted to tod shall be limited to be contracted to tod	first or not shall be similared to the constant of the constan	
repress, vicialitis including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable risks. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, liables or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	Beemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, ardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	
Time:	Phone Result: Fax Result: REMARKS:	☐ Yes ☐ No Add'l Phone #: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sample Condition Cool Intact Cool Intac	CHECKED BY:	



December 20, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PLAINS KNIGHT #1 TB

Enclosed are the results of analyses for samples received by the laboratory on 12/13/17 8:18.

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

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (575) 397-0397

Received: 12/13/2017 Sampling Date: 12/12/2017 Reported: 12/20/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Number: NONE GIVEN

Project Location: OXY - JAL

Sample ID: BOTTOM #1 (H703443-01)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/14/2017	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/16/2017	ND	193	96.4	200	4.89	
DRO >C10-C28	<10.0	10.0	12/16/2017	ND	179	89.6	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	12/16/2017	ND					
Surrogate: 1-Chlorooctane	82.9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	83.3	% 34.7-15	7						

Sample ID: BOTTOM #2 (H703443-02)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/14/2017	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/16/2017	ND	193	96.4	200	4.89	
DRO >C10-C28	<10.0	10.0	12/16/2017	ND	179	89.6	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	12/16/2017	ND					
Surrogate: 1-Chlorooctane	83.5	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	82.2	% 34.7-15	7						

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Celey D. Keene



Analytical Results For:

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

Fax To: (575) 397-0397

Received: 12/13/2017 Sampling Date: 12/12/2017

Reported: 12/20/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - JAL

Sample ID: BOTTOM #3 (H703443-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/14/2017	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	12/16/2017	ND	193	96.4	200	4.89	
DRO >C10-C28	<10.0	10.0	12/16/2017	ND	179	89.6	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	12/16/2017	ND					
Surrogate: 1-Chlorooctane	82.1	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	81.6	% 34.7-15	7						

Sample ID: BOTTOM #4 (H703443-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/14/2017	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	12/16/2017	ND	193	96.4	200	4.89	
DRO >C10-C28	<10.0	10.0	12/16/2017	ND	179	89.6	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	12/16/2017	ND					
Surrogate: 1-Chlorooctane	79.7	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	78.8	% 34.7-15	7						

Cardinal Laboratories *=Accredited Analyte

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Celeg & Freene



Analytical Results For:

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

Fax To: (575) 397-0397

Received: 12/13/2017 Sampling Date: 12/12/2017

Reported: 12/20/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - JAL

Sample ID: SIDEWALL #1 (H703443-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/14/2017	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	12/16/2017	ND	193	96.4	200	4.89	
DRO >C10-C28	<10.0	10.0	12/16/2017	ND	179	89.6	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	12/16/2017	ND					
Surrogate: 1-Chlorooctane	77.0	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	76.1	% 34.7-15	7						

Sample ID: SIDEWALL #2 (H703443-06)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/14/2017	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	12/16/2017	ND	193	96.4	200	4.89	
DRO >C10-C28	<10.0	10.0	12/16/2017	ND	179	89.6	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	12/16/2017	ND					
Surrogate: 1-Chlorooctane	78.8	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	78.3	% 34.7-15	7						

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Celey D. Keine



Analytical Results For:

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

Fax To: (575) 397-0397

Received: 12/13/2017 Sampling Date: 12/12/2017

Reported: 12/20/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - JAL

Sample ID: SIDEWALL #3 (H703443-07)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/14/2017	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	12/16/2017	ND	193	96.4	200	4.89	
DRO >C10-C28	<10.0	10.0	12/16/2017	ND	179	89.6	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	12/16/2017	ND					
Surrogate: 1-Chlorooctane	84.1	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	83.9	% 34.7-15	7						

Sample ID: SIDEWALL #4 (H703443-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/14/2017	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	12/16/2017	ND	193	96.4	200	4.89	
DRO >C10-C28	<10.0	10.0	12/16/2017	ND	179	89.6	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	12/16/2017	ND					
Surrogate: 1-Chlorooctane	78.0	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	76.8	% 34.7-15	7						

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Analytical Results For:

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

Fax To: (575) 397-0397

Received: 12/13/2017 Sampling Date: 12/12/2017

Reported: 12/20/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - JAL

Sample ID: SIDEWALL #5 (H703443-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/14/2017	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	12/16/2017	ND	193	96.4	200	4.89	
DRO >C10-C28	<10.0	10.0	12/16/2017	ND	179	89.6	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	12/16/2017	ND					
Surrogate: 1-Chlorooctane	87.5	% 28.3-16	74						
Surrogate: 1-Chlorooctadecane	86.4	% 34.7-15	7						

Sample ID: SIDEWALL #6 (H703443-10)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/14/2017	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	12/16/2017	ND	193	96.4	200	4.89	
DRO >C10-C28	<10.0	10.0	12/16/2017	ND	179	89.6	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	12/16/2017	ND					
Surrogate: 1-Chlorooctane	80.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	78.9	% 34.7-15	7						

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Analytical Results For:

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

Fax To: (575) 397-0397

Received: 12/13/2017 Sampling Date: 12/12/2017

Reported: 12/20/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - JAL

Sample ID: SIDEWALL #7 (H703443-11)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/14/2017	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	12/16/2017	ND	193	96.4	200	4.89	
DRO >C10-C28	<10.0	10.0	12/16/2017	ND	179	89.6	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	12/16/2017	ND					
Surrogate: 1-Chlorooctane	82.1	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	79.2	% 34.7-15	7						

Sample ID: SIDEWALL #8 (H703443-12)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/14/2017	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	12/17/2017	ND	190	95.1	200	6.51	
DRO >C10-C28	<10.0	10.0	12/17/2017	ND	168	83.8	200	12.8	
EXT DRO >C28-C36	<10.0	10.0	12/17/2017	ND					
Surrogate: 1-Chlorooctane	80.9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	83.9	% 34.7-15	7						

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Notes and Definitions

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

*** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C
 Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keine

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

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476 Company Name: BBC International Inc

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO	Α	ANALYSIS REQUEST
Project Manager: Cliff Brunson	F	P.O. #:	-	
Address: P.O. Box 805	0	Company:	7	
City: Hobbs State: NM	Zip: 88241	Attn:		
5-397-6388 Fax #:	5-397-0397	Address:	£	
Project #: Project Owner:	ONI	City:	15	
ame: RAMS KM	178	State: Zip:	21	
Project Location:	70	Phone #:	8	
Sampler Name: POSED HERIKIK	7/62	Fax #:	,	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	PH	
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SIDEWALL # H	1	0200011		
10 NOTE DAY	5	11000	0 10	
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Date:

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Add'l Phone #: Add'l Fax #:

Received By:

Fax #: 575-397-0397 Project Owner: QU Anght # 178 GROUNDWATER WASTEWATER SOIL OIL SLUDGE	Project Manager: Cliff Brunger	al, IIIC.	BILL 10
State: NM Zip: 88241 Attn: Fax #: 575-397-0397 Address: Project Owner: QU City: Phone #: Phone #: GRANTAINERR WASTEWATER WASTEWASTEWASTEWASTEWASTEWASTEWASTEWASTE	Project Manager: Cliff Brunson		P.O. #:
State: NM Zip: 88241 Attn: Fax #: 575-397-0397 Address: Project Owner: QU City: Phone #: Phone #: Phone #: GROUNDWATER WASTEWATER SOIL OIL UDGE OTHER: GROUNDWATER WASTEWATER SOIL OIL UDGE OTHER: GROUNDWATER WASTEWATER SOIL OTHER: GROUNDW	Address: P.O. Box 805		Company:
Project Owner: QU Project Owner: QU City: Phone #: Phone #: GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ACID/	city: Hobbs	Zip:	Attn:
Ame: Project Owner: QU City: D. Sample I.D. Sample I.D. Sample I.D. City: Phone #: Phone #: Pax #: GROUNDWATER WASTEWATER SOIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ACID/BASE: ACID/BASE: ACID/BASE: ACID/BASE: ACID/BASE: ACID/BASE: ACID/BASE: ACID	Phone #: 575-397-6388		Address:
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SIMEWAN # 7 6 # 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FOR LAB USE ONLY	# 1	City: State: Zi Phone #: Fax #: PRESERV
		G)RAB OR (C)OMP. CONTAINERS ROUNDWATER VASTEWATER	UDGE THER: Phone #: Fax #: PRESERV. SAMPLING

4

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

Cool Intact

Yes

No No Sample Condition

0

CHECKED BY:

Sampler - UPS - Bus - Other:

Delivered By: (Circle One

Page 10 of 10

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

From: Yu, Olivia, EMNRD

To: <u>Cliff Brunson</u>; <u>Billings, Bradford, EMNRD</u>

Cc: Wade Dittrich; Jennifer Smith@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: RE: OXY - Plains Knight #1 TB (1RP-4555) - Delineation Workplan

Date: Wednesday, August 2, 2017 2:18:06 PM

Mr. Brunson:

While delineation is not considered complete, given the timeline between release (December 19, 2016) and initial soil sample (January 19, 2017) date, NMOCD will approve of the proposed remediation for 1RP-4555 with several conditions:

- 1. For the area demarcated as SP1 and SP2, bottom and sidewall confirmatory samples for the proposed 1.5 ft. excavation depth. A minimum of 3 bottom and 5 sidewall samples to complete horizontal delineation.
- 2. For the area demarcated as SP3, excavation to 2 ft. bgs would be sufficient. Collect minimum of 1 bottom and 3 sidewalls for confirmatory laboratory samples.
- 3. Demarcate confirmatory bottom and sidewall sample locations and depths of excavation on a properly scaled map.
- 4. Use Method 8015 extended for TPH (GRO, DRO, and MRO).

Please confirm.

Thanks,

Olivia Yu Environmental Specialist NMOCD, District I Olivia.yu@state.nm.us 575-393-6161 x113

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.

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]

Sent: Saturday, July 8, 2017 6:39 PM

To: Yu, Olivia, EMNRD < Olivia. Yu@state.nm.us>

Cc: Wade Dittrich <Wade_Dittrich@oxy.com>; Jennifer_Smith@oxy.com; Ken Swinney <kswinney@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>

Subject: OXY - Plains Knight #1 TB (1RP-4555) - Delineation Workplan

Olivia,

Please find the attached Delineation Workplan and remediation proposal for the OXY Plains Knight #1 TB (1RP-4555). OXY is requesting that you review this plan and is looking forward to the OCD's.

If you have any questions, please let me 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

E-Mail: cbrunson@bbcinternational.com



Fax: (575) 397-0397

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Oxy, Plains Knight #1 Tank Battery

Sample points, hand auger

SP1, N 32.19981 W-103.13771

SP2, N 32.19978 W-103.13759

SP3, N 32.19981 W-103.13749

SP4, N 32.19981 W-103.13740

NORTH, N 32.19986 W-103.13760

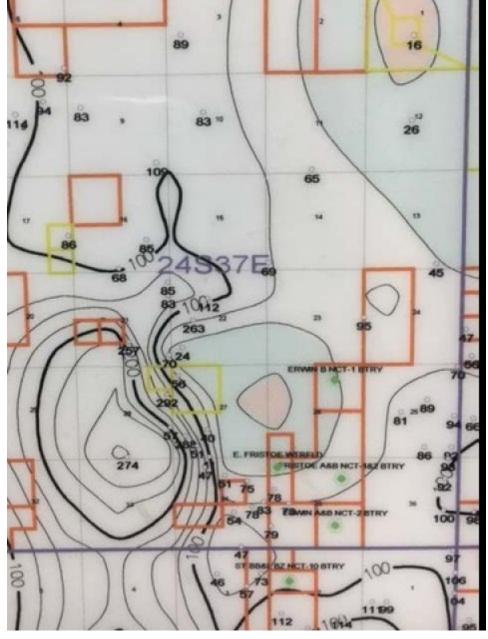
SOUTH, N 32.19977 W-103.13757

EAST, N 32.19982 W-103.13734

WEST, N 32.19981 W-103.13773

Oxy, Plains Knight #1 Tank Battery U/L L, Section 23, T24S, R37E Groundwater: 75', 100'

Groundwater: 75'-100'



Laboratory Analytical Results Summary Plains Knight #1 TB

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	1/19/17	1/19/17	3/6/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.100	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		0.174	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		1.22	< 0.150	< 0.150
Total BTEX	BTEX 8021B		1.39	< 0.300	< 0.300
Chloride	SM4500CI-B		560	368	128
GRO	TPH 8015M		<200	<50.0	<10.0
DRO	TPH 8015M		19600	169	17

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	1/19/17	1/19/17	3/6/17
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.200	<0.100	< 0.050
Toluene	BTEX 8021B		< 0.200	< 0.100	< 0.050
Ethylbenzene	BTEX 8021B		0.239	0.244	< 0.050
Total Xylenes	BTEX 8021B		2.01	0.566	<0.150
Total BTEX	BTEX 8021B		2.25	0.811	< 0.300
Chloride	SM4500CI-B		976	256	160
GRO	TPH 8015M		309	<200	<10.0
DRO	TPH 8015M		8750	2470	<10.0

		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	1/19/17	1/19/17	3/6/17	3/6/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<0.100	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.200	< 0.100	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.200	0.392	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		1.39	0.943	< 0.150	< 0.150
Total BTEX	BTEX 8021B		1.39	1.34	< 0.300	< 0.300
Chloride	SM4500CI-B		400	224	480	176
GRO	TPH 8015M		224	<200	<50.0	<10.0
DRO	TPH 8015M		21000	2860	<50.0	<10.0

		Sample	SP4 @ SURFACE	SP4 @ 1'
Analyte	Method	Date	1/19/17	3/6/17
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300
Chloride	SM4500CI-B		240	128
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		220	<10.0

		Sample	NORTH SAMPLE
Analyte	Method	Date	1/19/17
			mg/Kg
Benzene	BTEX 8021	IB	< 0.050
Toluene	BTEX 8021	< 0.050	
Ethylbenz	BTEX 8021	IB	< 0.050
Total Xyle	BTEX 8021	IB	< 0.150
Total BTE	BTEX 8021	IB	< 0.300
Chloride	SM4500CI-	·B	<16.0
GRO	TPH 8015	И	<10.0
DRO	TPH 8015	V	<10.0

		Sample	SOUTH SAMPLE		
Analyte	Method	Date	1/19/17		
			mg/Kg		
Benzene	BTEX 8021	IB	< 0.050		
Toluene	BTEX 8021	BTEX 8021B			
Ethylbenz	BTEX 8021	IB	< 0.050		
Total Xyle	BTEX 8021	IB	< 0.150		
Total BTE	BTEX 8021	IB	< 0.300		
Chloride	SM4500CI-	В	<16.0		
GRO	TPH 8015	И	<10.0		
DRO	TPH 8015N	VI .	<10.0		

		Sample	WEST SAMPLE			
Analyte	Method	Date	1/19/17			
			mg/Kg			
Benzene	BTEX 8021	IB	< 0.050			
Toluene	BTEX 8021	BTEX 8021B				
Ethylbenz	BTEX 8021	IB	< 0.050			
Total Xyle	BTEX 8021	IB	< 0.150			
Total BTE	BTEX 8021	IB	< 0.300			
Chloride	SM4500CI-	·B	<16.0			
GRO	TPH 8015	И	<10.0			
DRO	TPH 8015N	Л	<10.0			

		Sample	EAST SAMPLE
Analyte	Method	Date	1/19/17
			mg/Kg
Benzene	BTEX 8021	IB	< 0.050
Toluene	BTEX 8021	IB	< 0.050
Ethylbenz	BTEX 8021	IB	< 0.050
Total Xyle	BTEX 8021	IB	<0.150
Total BTE	BTEX 8021	IB	< 0.300
Chloride	SM4500CI-	·B	<16.0
GRO	TPH 8015N	И	<10.0
DRO	TPH 8015N	VI .	<10.0



January 30, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PLAINS KNIGHT #1 TB

Enclosed are the results of analyses for samples received by the laboratory on 01/23/17 11:50.

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

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 1 @ SURFACE (H700147-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.100	0.100	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	0.174	0.100	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	1.22	0.300	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	1.39	0.600	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<200	200	01/25/2017	ND	188	94.1	200	1.98	
DRO >C10-C28	19600	200	01/25/2017	ND	185	92.7	200	4.22	
Surrogate: 1-Chlorooctane	115 %	6 35-147	7						
Surrogate: 1-Chlorooctadecane	277 9	% 28-171							

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 1 @ 1' (H700147-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	< 0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	01/25/2017	ND	188	94.1	200	1.98	
DRO >C10-C28	169	50.0	01/25/2017	ND	185	92.7	200	4.22	
Surrogate: 1-Chlorooctane	84.9 %	% 35-147	,						
Surrogate: 1-Chlorooctadecane	105 %	6 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 2 @ SURFACE (H700147-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.200	0.200	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	0.239	0.200	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	2.01	0.600	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	2.25	1.20	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	309	50.0	01/25/2017	ND	188	94.1	200	1.98	
DRO >C10-C28	8750	50.0	01/25/2017	ND	185	92.7	200	4.22	
Surrogate: 1-Chlorooctane	556	% 35-147	7						
Surrogate: 1-Chlorooctadecane	169	% 28-171	,						

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Celey D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 2 @ 1' (H700147-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.100	0.100	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	0.244	0.100	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	0.566	0.300	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	0.811	0.600	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 %	6 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<200	200	01/25/2017	ND	188	94.1	200	1.98	
DRO >C10-C28	2470	200	01/25/2017	ND	185	92.7	200	4.22	
Surrogate: 1-Chlorooctane	109 9	6 35-147	7						
Surrogate: 1-Chlorooctadecane	150 9	6 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 3 @ SURFACE (H700147-05)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.200	0.200	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.200	0.200	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	1.39	0.600	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	1.39	1.20	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	224	200	01/25/2017	ND	188	94.1	200	1.98	
DRO >C10-C28	21000	200	01/25/2017	ND	185	92.7	200	4.22	
Surrogate: 1-Chlorooctane	374 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	313 9	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 3 @ 1' (H700147-06)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.100	0.100	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	0.392	0.100	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	0.943	0.300	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	1.34	0.600	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	126 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<200	200	01/25/2017	ND	188	94.1	200	1.98	
DRO >C10-C28	2860	200	01/25/2017	ND	185	92.7	200	4.22	
Surrogate: 1-Chlorooctane	108 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	196 9	% 28-171							

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Celey D. Keine



Jodi Henson

Sample Received By:

Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil
Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact

Project Name: PLAINS KNIGHT #1 TB
Project Number: NONE GIVEN

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 4 @ SURFACE (H700147-07)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	6 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	01/25/2017	ND	188	94.1	200	1.98	
DRO >C10-C28	220	50.0	01/25/2017	ND	185	92.7	200	4.22	
Surrogate: 1-Chlorooctane	80.2 5	% 35-147	,						
Surrogate: 1-Chlorooctadecane	93.1	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: NORTH SAMPLE (H700147-08)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	< 0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	< 0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 73.6-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2017	ND	178	89.1	200	10.2	
DRO >C10-C28	<10.0	10.0	01/25/2017	ND	188	93.9	200	2.21	
Surrogate: 1-Chlorooctane	87.1 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	93.9 9	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SOUTH SAMPLE (H700147-09)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2017	ND	178	89.1	200	10.2	
DRO >C10-C28	<10.0	10.0	01/25/2017	ND	188	93.9	200	2.21	
Surrogate: 1-Chlorooctane	84.6 %	% 35-147	,						
Surrogate: 1-Chlorooctadecane	79.0 %	6 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

OXY - LEA COUNTY, NM

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Sample ID: WEST SAMPLE (H700147-10)

Project Location:

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/25/2017	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2017	ND	178	89.1	200	10.2	
DRO >C10-C28	<10.0	10.0	01/25/2017	ND	188	93.9	200	2.21	
Surrogate: 1-Chlorooctane	86.7	% 35-147	,						
Surrogate: 1-Chlorooctadecane	84.8	% 28-171							

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/23/2017 Sampling Date: 01/19/2017

Reported: 01/30/2017 Sampling Type: Soil

OXY - LEA COUNTY, NM

ma/ka

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Analyzed By: MS

Sample ID: EAST SAMPLE (H700147-11) BTEX 8021B

Project Location:

BIEX 9021B	ту/ку		Analyzed by: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/25/2017	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/25/2017	ND	178	89.1	200	10.2	
DRO >C10-C28	<10.0	10.0	01/25/2017	ND	188	93.9	200	2.21	
Surrogate: 1-Chlorooctane	85.9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	79.6	% 28-171							

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Notes and Definitions

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or S-06 matrix interference's. QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. ND Analyte NOT DETECTED at or above the reporting limit RPD Relative Percent Difference Samples not received at proper temperature of 6°C or below. Insufficient time to reach temperature. *** Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Sampler - UPS - Bus - Other:

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

Delivered By:

(Circle One)

Times: 50

Phone Result: Fax Result: REMARKS:

☐ Yes

ON O

Add'l Phone #: Add'l Fax #:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAY (505) 303-2476	101 East Marland, Hobbs, NM 88240	ARDINAL LABORA	
303 3476	NM 8824	TORIES	
	0		

P.O. #:	
Company: XU	
Zip: 88241 Attn: (\scale)	Ala Milan
575-397-0397 Address:	
Project Owner: Oxy	
State:	
Fax#:	
PRESERV	
AINERS DWATER VATER SE: OL	EX
# CON' GROUN WASTE SOIL OIL SLUDG OTHER ACID/B/ CE / CC	BT C TF
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- 1/19/17	9:30 AM
1119/17	10:00 AM
1/19/17	10:35 AM
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1/19/17 1	1:45 PM
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Page 14 of 15

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

company name: BBC International, Inc.	BIL TO	
Project Manager: Cliff Brunson	P.O. #:	ANALYSIS REQUEST
Address: P.O. Box 805	Company: XU	
City: Hobbs State: NM Zip: 88241	Attn: asul summofs	
Phone #: 575-397-6388 Fax #: 575-397-0397	ss:	
Project #: Project Owner: Oxy	City:	
Project Name: Plains Knight #1 TB	State: Zin:	
Project Location: Lea County, NM	#	
Sampler Name: Roger Hernandez	Fav #	
П	7	
R (C)OMP. JERS JATER TER	PRESERV. SAMPLING	
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Date: A Received By:	Phone Result:	ON O
Refinquished By: Date: 65 Referred By:	REMARKS:	No
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6	505-393-2476	

Page 15 of 15



March 14, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PLAINS KNIGHT #1 TB

Enclosed are the results of analyses for samples received by the laboratory on 03/08/17 10:30.

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

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 03/08/2017 Sampling Date: 03/06/2017

Reported: 03/14/2017 Sampling Type: Soil Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Coo

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - JAL

Sample ID: SP 1 @ 2 (H700589-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89	
Toluene*	< 0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37	
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94	
Total Xylenes*	< 0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03	
Total BTEX	<0.300	0.300	03/13/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	6 72-148	,						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/09/2017	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	03/08/2017	ND	199	99.5	200	4.57	
DRO >C10-C28	17.0	10.0	03/08/2017	ND	211	106	200	7.03	
Surrogate: 1-Chlorooctane	84.0 %	25.1-15	8						
Surrogate: 1-Chlorooctadecane	87.2 9	% 26.8-17	0						

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Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 03/08/2017 Sampling Date: 03/06/2017

Reported: 03/14/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - JAL

Sample ID: SP 2 @ 2 (H700589-02)

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89	
Toluene*	<0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37	
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94	
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03	
Total BTEX	<0.300	0.300	03/13/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 72-148							
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/09/2017	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	03/08/2017	ND	199	99.5	200	4.57	
DRO >C10-C28	<10.0	10.0	03/08/2017	ND	211	106	200	7.03	
Surrogate: 1-Chlorooctane	84.0 9	25.1-15	8						
Surrogate: 1-Chlorooctadecane	82.8 9	% 26.8-17	0						

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Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 03/08/2017 Sampling Date: 03/06/2017

Reported: 03/14/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - JAL

Sample ID: SP 3 @ 2 (H700589-03)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89	
Toluene*	<0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37	
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94	
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03	
Total BTEX	<0.300	0.300	03/13/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	% 72-148	7						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/09/2017	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	03/08/2017	ND	199	99.5	200	4.57	
DRO >C10-C28	<50.0	50.0	03/08/2017	ND	211	106	200	7.03	
Surrogate: 1-Chlorooctane	93.8 9	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	99.3	% 26.8-17	0						

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Celey & Keene



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 03/08/2017 Sampling Date: 03/06/2017

Reported: 03/14/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - JAL

Sample ID: SP 3 @ 3 (H700589-04)

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89	
Toluene*	<0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37	
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94	
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03	
Total BTEX	<0.300	0.300	03/13/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 72-148	,						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/09/2017	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	03/08/2017	ND	199	99.5	200	4.57	
DRO >C10-C28	<10.0	10.0	03/08/2017	ND	211	106	200	7.03	
Surrogate: 1-Chlorooctane	87.7 9	25.1-15	8						
Surrogate: 1-Chlorooctadecane	86.8 9	26.8-17	0						

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Celey D. Keine



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 03/08/2017 Sampling Date: 03/06/2017

Reported: 03/14/2017 Sampling Type: Soil

Project Name: PLAINS KNIGHT #1 TB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY - JAL

Sample ID: SP 4 @ 1 (H700589-05)

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2017	ND	2.01	101	2.00	1.89	
Toluene*	<0.050	0.050	03/13/2017	ND	1.87	93.7	2.00	2.37	
Ethylbenzene*	<0.050	0.050	03/13/2017	ND	1.86	92.9	2.00	2.94	
Total Xylenes*	<0.150	0.150	03/13/2017	ND	5.29	88.1	6.00	3.03	
Total BTEX	<0.300	0.300	03/13/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 72-148	,						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/09/2017	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	03/08/2017	ND	193	96.6	200	1.04	
DRO >C10-C28	<10.0	10.0	03/08/2017	ND	198	99.0	200	0.803	
Surrogate: 1-Chlorooctane	85.2 9	25.1-15	8						
Surrogate: 1-Chlorooctadecane	78.2 9	% 26.8-17	0						

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Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BBC International, Inc.	0.7718	
Project Manager: Cliff Brunson	P.O. #:	ANALTOIS REQUEST
Address: P.O. Box 805	Company: O Fix	
City: Hobbs State: NM Zip: 88241	Attn:	
Phone #: 575-397-6388 Fax #: 575-397-0397	Address:	
Project C	City:	
Project Name: Plain Knight # 178	State: Zip:	
	#	
Sampler Name: J. Q	Fax #:	
FOR LAB USE ONLY MATRIX P. MATRIX	PRESERV. SAMPLING	
(G)RAB OR (C)OME # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	""	CL-
1 1 2 C C C C C C C C C C C C C C C C C	1 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
25640 1 (-1 V	1 3 -6 3:30 V V	
EASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or too that the liability and the liability and client's exclusive remedy for any claim arising whether based in contract or too that the liability and the liability and client's exclusive remedy for any claim arising whether based in contract or too that the liability and client's exclusive remedy for any claim arising whether based in contract or too that the liability and client's exclusive remedy for any claim arising whether based in contract or too that the liability and client's exclusive remedy for any claim arising whether based in contract or too the liability and client's exclusive remedy for any claim arising whether based in contract or too the liability and client's exclusive remedy for any claim arising whether the liability and client's exclusive remedy for any claim arising whether the liability and client's exclusive remedy for any claim arising whether the liability and client's exclusive remedy for any claim arising whether the liability and client's exclusive remedy for any claim arising whether the liability are client and the liabili		
Alyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable filleds or successors arising out of or related to the performance of early cardinal writing without limitation, business interruptions, loss of use, or loss of profits incurred by clear, its subsidiaries, filleds or successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.	According to a mineral or the amount pead by the client for the find received by Cardinal within 30 days after completion of the applicable s, loss of use, or loss of profits incurred by client, its subsidiaries, this based upon any of the above stated reasons or otherwise.	
		Yes □ No Add'I Phone #: Yes □ No Add'I Fax #:
Sampler - UPS - Bus - Other: #15 -9.60 Sample Condition Cook Intact Pres Pres	tion CHECKED BY:	

Received by OCD: 3/13/2023 4:25:45 PM

State of New Mexico **Energy Minerals and Natural Resources**

Form C-141 Revised August 8, 2011 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Release Notification and Corrective Action												
						OPERA	ΓOR		Initia	al Report		Final Report
Name of Co		Oxy Permia				Contact C	asey Summers					
		94; Houston			_	Telephone N		-8289				
Facility Nar	ne Plair	ıs Knight #1	Tank Ba	ttery	I	acility Typ	e Battery					
Surface Ow	ner			Mineral Ov	vner				API No	. 30-025-	11207	
				LOCA'	TION	OF REI	EASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/We	est Line	County		
L	23	24S	37E							Lea Count	y, NM	
	7]	Latitude N 32.19	978°	Longitu	de W 103.1375	3°			-	
				NATI	TRE	OF RELI	into a trovatario e a 20 m					
Type of Relea	ase Produ	iced water		11121	JILL		Release 15 bbls		Volume R	Recovered	10 bbls	
Source of Re		ık spilled due	to failure	of a pump toggle sv	witch		our of Occurrence	e	Date and	Hour of Dis		
Was Immedia	ite Notice C		Vos [No □ Not Req	uired	If YES, To	Whom? erding- NMOCD					
By Whom?	Kathy@ B			140 1401 Ked	uncu	Date and H		6 @ 10·39	Ram			
Was a Watero			mur, me.				lume Impacting t					
			Yes 🗵	No								
If a Watercou	rse was 1m	pacted, Descr	be Fully.							Ž.A		
Describe Cau	Describe Cause of Problem and Remedial Action Taken.*											
Failure of a p produced wat				to spill 15 bbls of pervice.	produce	ed water insid	le the firewall on	location.	A vacuu	m truck reco	overed 1	10 bbls of
Describe Are	a Affected	and Cleanup A	Action Tal	cen.*								
The affected a	area is appr	oximately 70°	x 20' on	location inside the	firewall	l. Remediati	on will be comple	eted in acc	cordance	with a plan a	ıpprove	ed by
	fy that the i	nformation gi	ven above	is true and comple	te to th	e best of my	knowledge and u	nderstand	that purs	uant to NM	OCD rt	iles and
regulations al	l operators	are required to	o report ai	nd/or file certain rel	lease no	tifications ar	nd perform correc	tive actio	ns for rele	eases which	may en	danger
				e of a C-141 report investigate and rer								
				stance of a C-141 re								
federal, state,					1							
	- 1/						OIL CON	<u>SERVA</u>	ATION	DIVISIO	<u>N</u>	Ž
Signature:	I A											2
	V				$\neg 1$	Approved by	Environmental S	pecialist:				4
Printed Name	: Casey	Summers			\dashv		<u> </u>					
Title: NM	Environme	ntal Advisor				Approval Dat	e:	E	xpiration l	Date:		
E-mail Addre	ss: Case	y_Summers@	oxy.com			Conditions of	Approval:			Attached		7.3
Date:	- G-1	1	Phone	(575) 513-828	9					Anacheu		
Attach Addit	ional Shee	ets If Necess										

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 196534

CONDITIONS

Operator:	OGRID:
J R OIL, LTD. CO.	256073
P.O. Box 52647	Action Number:
Tulsa, OK 74152	196534
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

C	reated By		Condition Date
	jharimon	None	4/10/2023