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

State of New Mexico
Energy Minerals and Natural Resources

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

OIL CONS. DIV DIST. 3

JAN 02 2015

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: BP	Contact: Jeff Peace
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9479
Facility Name: Keys Gas Com A 1	Facility Type: Natural gas well

Surface Owner: Private	Mineral Owner: Private	API No. 3004511230

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: San Juan
K	27	31N	10W	1,650	South	1,650	West	

Latitude 36.954216 **Longitude** 107.872725

NATURE OF RELEASE

Type of Release: condensate/oil	Volume of Release: unknown	Volume Recovered: none
Source of Release: below grade tank – 95 bbl	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: 5/16/2012; 8:35 AM
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Soil beneath the BGT showed evidence of impacts during removal. Soil analysis resulted in BTEX and chloride below standards, but TPH exceeded the standard. Analysis results are attached. Impacted soil was excavated.

Describe Area Affected and Cleanup Action Taken.* Soils beneath the BGT were sampled and impacts were found immediately below the BGT. Boreholes were drilled to determine the extent of the impacts. Impacted soil was excavated to 30 feet depth and soil samples remaining were below 100 ppm TPH. Approximately 1,100 cubic yards were taken to the landfarm for treatment and the excavation was backfilled with clean soil. Groundwater was not encountered. Sample data, photos, borehole logs and site maps are attached.

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

Signature: Jeff Peace	OIL CONSERVATION DIVISION	
Printed Name: Jeff Peace	Approved by Environmental Specialist:	
Title: Field Environmental Coordinator	Approval Date: 2/5/15	Expiration Date:
E-mail Address: peace.jeffrey@bp.com	Conditions of Approval:	Attached ☐
Date: December 31, 2014 Phone: 505-326-9479		

* Attach Additional Sheets If Necessary

#NCS 1503647916

60

BP America: Keys GC A1
(K) Sec 27 – T32N – R10W
API: 30-045-11230
San Juan County, New Mexico

Summary Record of Impact Remediation

May 16, 2012 Soil impacts encountered during closure of 95 barrel BGT. Initial closure sampling at the BGT did not indicate the presence of hydrocarbon impacts, with no staining, odor or other indication of a release from the BGT. Laboratory test results from a 5-point composite soil sample from immediately below the BGT reported BTEX and Chlorides at Non-Detect, with TPH from USEPA Method 8015B GRO = 0.0 and DRO = 360 ppm. USEPA Method 418.1 reported TPH at 2,000 ppm. Evaluation of site ranking criteria indicated a closure standard of 100 ppm TPH based on groundwater expected at between 50 - 100 feet from ground surface.

January 30, 2014 GeoProbe environmental sampling rig used to advance 3 borings at the prior 95 BGT location. Each boring advanced to a total depth of 16 feet. Field observations of soils gave no indication of hydrocarbon impacts at any sampling depth, with no staining, no odor and field PID OVM readings all testing at 0.0 ppm. Laboratory test results were Non-Detect for BTEX, Chlorides and GRO. However, heavier hydrocarbon DRO was present in composite samples as follows: 4 foot (DRO = 190 ppm), 8 foot (DRO = 160 ppm), 12 foot (DRO = 310 ppm) and 16 foot (DRO = 200 ppm).

August 25, 2014 Move equipment on-site and initiate remediation of impacts by excavation.

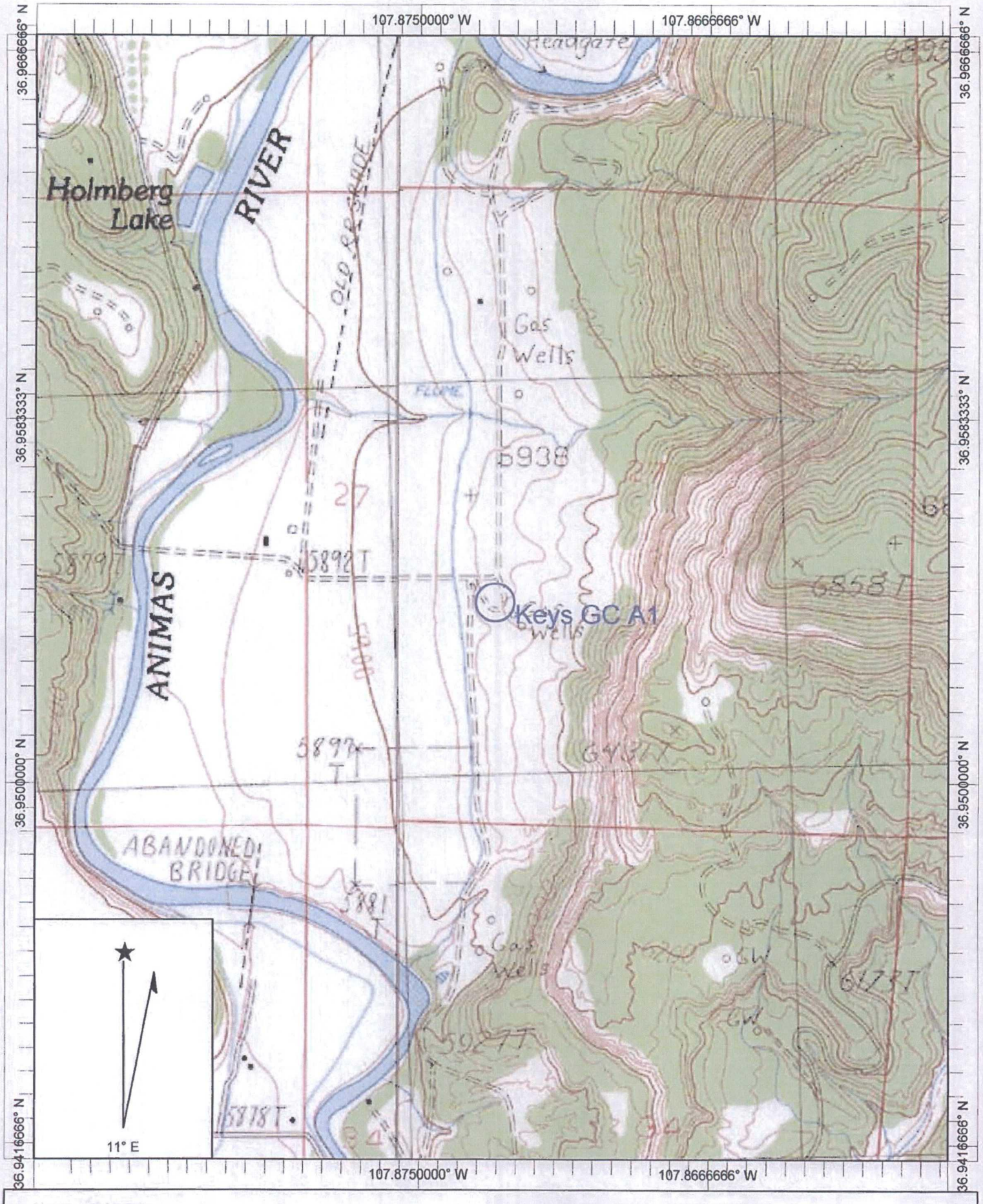
August 28, 2014 Excavation size approximately 18' x 18' x 20' deep. Soil samples collected to date using trackhoe for laboratory testing report the following (all exceeding 100 ppm closure standard, indicating additional excavation required):

Date	Sample Description	Field OVM (ppm)	Laboratory DRO 8015B (mg/Kg)
8/26/2014	Base 3-Point Comp @ 20'	0.0	4,600
8/26/2014	Base Center @ 24'	0.0	180
8/28/2014	Base South Side @ 25'	0.0	250
8/28/2014	South Sidewall 3-pt @ 10'-20'	0.0	130

August 29 – September 5, 2014 Bring in long reach trackhoe to assist with extending excavation in all directions. Final excavation size (at base) 35' x 28' x 30' deep. Closure laboratory test results report the following:

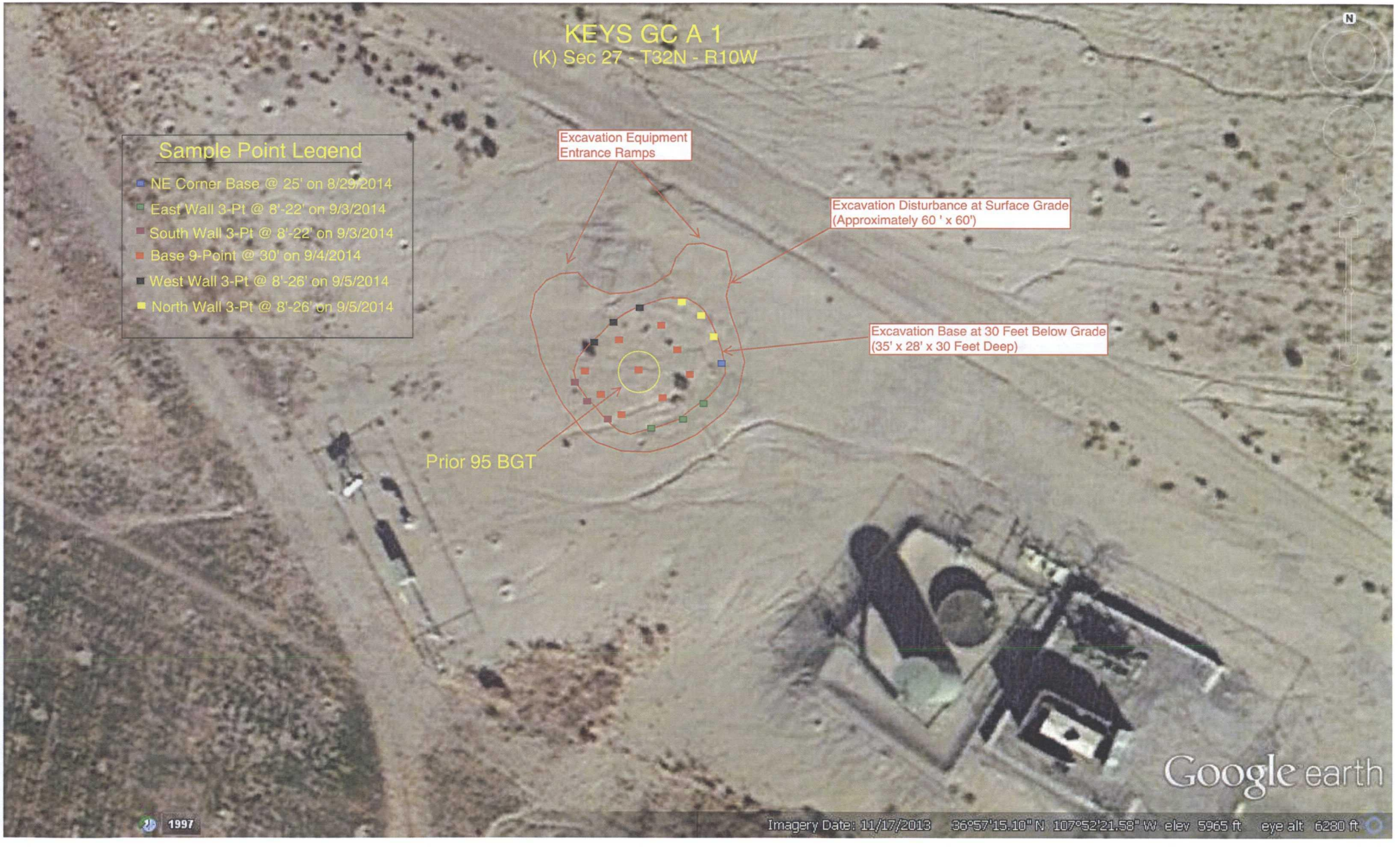
Date	Sample Description	Field OVM (ppm)	Laboratory DRO 8015B (mg/Kg)
8/29/2014	NE Corner Base @ 25'	0.0	0.0
9/3/2014	East Wall 3-pt @ 8'-22'	0.0	0.0
9/3/2014	South Wall 3-pt @ 8'-22'	0.0	0.0
9/4/2014	Base 9-pt @ 30'	0.0	0.0
9/5/2014	West Wall 3-pt 8'-26'	0.0	0.0
9/5/2014	North Wall 3-pt 8'-26'	0.0	0.0

September 11, 2014 Complete backfilling operation. Total soil volume transported to landfarm = 1,100 cubic yards.



Name: MT NEBO
Date: 5/25/2012
Scale: 1 inch equals 1000 feet

Location: 036.9541911° N 107.8729325° W
Caption: BP-Keys GC A1


KEYS GC A 1
(K) Sec 27 - T32N - R10W
Sample Point Legend
NE Corner Base @ 25' on 8/29/2014
East Wall 3-Pt @ 8'-22' on 9/3/2014
South Wall 3-Pt @ 8'-22' on 9/3/2014
Base 9-Point @ 30' on 9/4/2014
West Wall 3-Pt @ 8'-26' on 9/5/2014
North Wall 3-Pt @ 8'-26' on 9/5/2014
Excavation Equipment Entrance Ramps
Excavation Disturbance at Surface Grade (Approximately 60 ' x 60')
Excavation Base at 30 Feet Below Grade (35' x 28' x 30 Feet Deep)
Prior 95 BGT
Google earth
1997
Imagery Date: 11/17/2013 36°57'15.10" N 107°52'21.58" W elev 5965 ft eye alt 6280 ft

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Analytical Laboratory

BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	03-Sep-14 14:04

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Excavation	P408124-01A	Soil	08/29/14	08/29/14	Glass Jar, 4 oz.

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	03-Sep-14 14:04

Excavation

P408124-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1435034	08/29/14	09/02/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	44.9	mg/kg	2	1435041	08/29/14	09/02/14	EPA 8015D	
Surrogate: Benzo[a]pyrene		*101 %*		*50-200*	*1435041*	*08/29/14*	*09/02/14*	*EPA 8015D*	

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	03-Sep-14 14:04

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1435034 - Purge and Trap EPA 5030A										
Blank (1435034-BLK1)				Prepared: 29-Aug-14 Analyzed: 02-Sep-14						
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg							
Duplicate (1435034-DUP1)	**Source: P408120-01**			Prepared: 29-Aug-14 Analyzed: 02-Sep-14						
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg		ND				30	
Matrix Spike (1435034-MS1)	**Source: P408120-01**			Prepared: 29-Aug-14 Analyzed: 02-Sep-14						
Gasoline Range Organics (C6-C10)	0.44		mg/L	0.450	ND	97.6	75-125			

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	03-Sep-14 14:04

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1435041 - DRO Extraction EPA 3550M										
Blank (1435041-BLK1)				Prepared: 29-Aug-14 Analyzed: 02-Sep-14						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: Benzo[a]pyrene	*21.6*		"	*20.0*		*108*	*50-200*			
LCS (1435041-BS1)				Prepared: 29-Aug-14 Analyzed: 02-Sep-14						
Diesel Range Organics (C10-C28)	528	25.0	mg/kg	500		106	38-132			
Surrogate: Benzo[a]pyrene	*22.1*		"	*20.0*		*110*	*50-200*			
Matrix Spike (1435041-MS1)	**Source: P408120-01**			Prepared: 29-Aug-14 Analyzed: 02-Sep-14						
Diesel Range Organics (C10-C28)	688	35.0	mg/kg	500	309	75.9	38-132			
Surrogate: Benzo[a]pyrene	*23.7*		"	*20.0*		*118*	*50-200*			
Matrix Spike Dup (1435041-MSD1)	**Source: P408120-01**			Prepared: 29-Aug-14 Analyzed: 02-Sep-14						
Diesel Range Organics (C10-C28)	703	40.0	mg/kg	500	309	78.9	38-132	2.25	20	
Surrogate: Benzo[a]pyrene	*21.8*		"	*20.0*		*109*	*50-200*			

CHAIN OF CUSTODY RECORD

17376

Client: BP AMERICA	Project Name / Location: Keys GCA 1
Email results to: jeffcblagg@AOL-com peacejeffrey@BP.com	Sampler Name: J-Blagg
Client Phone No.: 505-320-1183	Client No.: 03143-0424

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative HNO_3	Preservative HCl	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
EXCAVATION NE Corner @ 25'	8/29/14	1120	P408124-01	1 x 4 oz			X													✓	✓
									RUSH ASAP Bill BP												

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jeff Blagg	8/29/2014	1333		8/29/14	1333
Relinquished by: (Signature)			Received by: (Signature)		

Sample Matrix

Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐ _____

☐ Sample(s) dropped off after hours to secure drop off area.

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	05-Sep-14 10:20

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
East Wall 3-pt 8'-22'	P409013-01A	Soil	09/03/14	09/03/14	Glass Jar, 4 oz.
South Wall 3-pt 8'-22'	P409013-02A	Soil	09/03/14	09/03/14	Glass Jar, 4 oz.

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laboratory@envirotech-inc.com

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Analytical Laboratory

BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	05-Sep-14 10:20

East Wall 3-pt 8'-22'

P409013-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8021B	
p,m-Xylene	ND	0.10	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8021B	
Surrogate: Bromochlorobenzene		*99.1 %*		*50-150*	*1436019*	*09/03/14*	*09/04/14*	*EPA 8021B*	
Surrogate: 1,3-Dichlorobenzene		*99.3 %*		*50-150*	*1436019*	*09/03/14*	*09/04/14*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1436020	09/03/14	09/04/14	EPA 8015D	
Surrogate: Benzo[a]pyrene		*113 %*		*50-200*	*1436020*	*09/03/14*	*09/04/14*	*EPA 8015D*	
Cation/Anion Analysis									
Chloride	ND	10.0	mg/kg	1	1436015	09/03/14	09/03/14	EPA 300.0	

BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	05-Sep-14 10:20

South Wall 3-pt 8'-22'

P409013-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8021B	
p,m-Xylene	ND	0.10	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8021B	
Surrogate: Bromochlorobenzene		*102 %*		*50-150*	*1436019*	*09/03/14*	*09/04/14*	*EPA 8021B*	
Surrogate: 1,3-Dichlorobenzene		*102 %*		*50-150*	*1436019*	*09/03/14*	*09/04/14*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1436019	09/03/14	09/04/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1436020	09/03/14	09/04/14	EPA 8015D	
Surrogate: Benzo[a]pyrene		*111 %*		*50-200*	*1436020*	*09/03/14*	*09/04/14*	*EPA 8015D*	
Cation/Anion Analysis									
Chloride	**10.3**	9.83	mg/kg	1	1436015	09/03/14	09/03/14	EPA 300.0	

BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	05-Sep-14 10:20

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1436019 - Purge and Trap EPA 5030A										
Blank (1436019-BLK1)				Prepared: 03-Sep-14 Analyzed: 04-Sep-14						
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.10	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	*0.0496*		"	*0.0498*		*99.5*	*50-150*			
Surrogate: Bromochlorobenzene	*0.0496*		"	*0.0498*		*99.6*	*50-150*			
Duplicate (1436019-DUP1)	**Source: P409011-02**			Prepared: 03-Sep-14 Analyzed: 04-Sep-14						
Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.10	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	*0.0508*		"	*0.0499*		*102*	*50-150*			
Surrogate: Bromochlorobenzene	*0.0492*		"	*0.0499*		*98.6*	*50-150*			
Matrix Spike (1436019-MS1)	**Source: P409011-02**			Prepared: 03-Sep-14 Analyzed: 04-Sep-14						
Benzene	45.4		ug/L	50.0	ND	90.9	39-150			
Toluene	45.6		"	50.0	ND	91.3	46-148			
Ethylbenzene	45.0		"	50.0	ND	90.1	32-160			
p,m-Xylene	90.7		"	100	ND	90.7	46-148			
o-Xylene	45.3		"	50.0	ND	90.5	46-148			
Surrogate: 1,3-Dichlorobenzene	*2.59*		*mg/kg*	*2.50*		*104*	*50-150*			
Surrogate: Bromochlorobenzene	*2.56*		"	*2.50*		*102*	*50-150*			

BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	05-Sep-14 10:20

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1436019 - Purge and Trap EPA 5030A										
Blank (1436019-BLK1)				Prepared: 03-Sep-14 Analyzed: 04-Sep-14						
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg							
Duplicate (1436019-DUP1)		**Source: P409011-02**		Prepared: 03-Sep-14 Analyzed: 04-Sep-14						
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
Matrix Spike (1436019-MS1)		**Source: P409011-02**		Prepared: 03-Sep-14 Analyzed: 04-Sep-14						
Gasoline Range Organics (C6-C10)	0.41		mg/L	0.450	ND	90.2	75-125			

BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	05-Sep-14 10:20

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1436020 - DRO Extraction EPA 3550M										
Blank (1436020-BLK1)				Prepared: 03-Sep-14 Analyzed: 04-Sep-14						
Diesel Range Organics (C10-C28)	ND	24.9	mg/kg							
Surrogate: Benzo[a]pyrene	*18.3*		"	*19.9*		*92.0*	*50-200*			
LCS (1436020-BS1)				Prepared: 03-Sep-14 Analyzed: 04-Sep-14						
Diesel Range Organics (C10-C28)	491	25.0	mg/kg	500		98.4	38-132			
Surrogate: Benzo[a]pyrene	*20.7*		"	*20.0*		*104*	*50-200*			
Matrix Spike (1436020-MS1)	**Source: P409011-02**			Prepared: 03-Sep-14 Analyzed: 04-Sep-14						
Diesel Range Organics (C10-C28)	645	29.9	mg/kg	499	40.0	121	38-132			
Surrogate: Benzo[a]pyrene	*24.8*		"	*20.0*		*124*	*50-200*			
Matrix Spike Dup (1436020-MSD1)	**Source: P409011-02**			Prepared: 03-Sep-14 Analyzed: 04-Sep-14						
Diesel Range Organics (C10-C28)	788	30.0	mg/kg	499	40.0	150	38-132	20.0	20	SPK1
Surrogate: Benzo[a]pyrene	*21.8*		"	*20.0*		*109*	*50-200*			

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Analytical Laboratory

BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	05-Sep-14 10:20

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1436015 - Anion Extraction EPA 300.0										
Blank (1436015-BLK1)				Prepared & Analyzed: 03-Sep-14						
Chloride	ND	9.88	mg/kg							
LCS (1436015-BS1)				Prepared & Analyzed: 03-Sep-14						
Chloride	498	9.85	mg/kg	492		101	90-110			
Matrix Spike (1436015-MS1)	**Source: P409003-01**			Prepared & Analyzed: 03-Sep-14						
Chloride	612	9.86	mg/kg	493	102	103	80-120			
Matrix Spike Dup (1436015-MSD1)	**Source: P409003-01**			Prepared & Analyzed: 03-Sep-14						
Chloride	618	9.86	mg/kg	493	102	105	80-120	1.01	20	

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CHAIN OF CUSTODY RECORD

17385

Client: BP America	Project Name / Location: Keys GC A 1
Email results to: jeffcblagg@aol.com peace.jeffrey@bp.com	Sampler Name: J. Blagg
Client Phone No.: 505-320-1183	Client No.: 03143-0424

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative HNO_3	Preservative HCl	Preservative	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
EAST wall 3-pt 8'-22'	9/3/2014	1215	P409013-01	1 x 4 oz				X	X								X				✓	✓
South wall 3-pt 8'-22'	"	1201	P409013-02	"				X	X								X				✓	✓
											RUSH ASAP											
											Bill BP											

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
J. H. Blagg	9/3/2014	1317		9/3/14	1317
Relinquished by: (Signature)			Received by: (Signature)		

Sample Matrix: Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐ _____

☐ Sample(s) dropped off after hours to secure drop off area.

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8.3 8.2

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	08-Sep-14 14:04

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Base 9-pt Comp. @ 30'	P409020-01A	Soil	09/04/14	09/04/14	Glass Jar, 4 oz.

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	08-Sep-14 14:04

Base 9-pt Comp. @ 30'

P409020-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1436025	09/04/14	09/04/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1436025	09/04/14	09/04/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1436025	09/04/14	09/04/14	EPA 8021B	
p,m-Xylene	ND	0.10	mg/kg	1	1436025	09/04/14	09/04/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1436025	09/04/14	09/04/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1436025	09/04/14	09/04/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1436025	09/04/14	09/04/14	EPA 8021B	
Surrogate: Bromochlorobenzene		*95.9 %*		*50-150*	*1436025*	*09/04/14*	*09/04/14*	*EPA 8021B*	
Surrogate: 1,3-Dichlorobenzene		*95.8 %*		*50-150*	*1436025*	*09/04/14*	*09/04/14*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1	1436025	09/04/14	09/04/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	34.9	mg/kg	1	1436024	09/04/14	09/04/14	EPA 8015D	
Surrogate: Benzo[a]pyrene		*118 %*		*50-200*	*1436024*	*09/04/14*	*09/04/14*	*EPA 8015D*	
Cation/Anion Analysis									
Chloride	ND	9.83	mg/kg	1	1436037	09/05/14	09/05/14	EPA 300.0	

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	08-Sep-14 14:04

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1436025 - Purge and Trap EPA 5030A										
Blank (1436025-BLK1)				Prepared & Analyzed: 04-Sep-14						
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.10	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	*48.9*		*ug/L*	*50.0*		*97.7*	*50-150*			
Surrogate: Bromochlorobenzene	*42.5*		"	*50.0*		*85.0*	*50-150*			
Duplicate (1436025-DUP1)	**Source: P409017-01**			Prepared & Analyzed: 04-Sep-14						
Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.10	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	*45.9*		*ug/L*	*50.0*		*91.8*	*50-150*			
Surrogate: Bromochlorobenzene	*39.7*		"	*50.0*		*79.4*	*50-150*			
Matrix Spike (1436025-MS1)	**Source: P409017-01**			Prepared & Analyzed: 04-Sep-14						
Benzene	47.9		ug/L	50.0	ND	95.7	39-150			
Toluene	46.9		"	50.0	ND	93.7	46-148			
Ethylbenzene	45.7		"	50.0	ND	91.5	32-160			
p,m-Xylene	86.9		"	100	ND	86.9	46-148			
o-Xylene	43.3		"	50.0	ND	86.5	46-148			
Surrogate: 1,3-Dichlorobenzene	*45.6*		"	*50.0*		*91.2*	*50-150*			
Surrogate: Bromochlorobenzene	*39.8*		"	*50.0*		*79.5*	*50-150*			

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	08-Sep-14 14:04

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1436024 - DRO Extraction EPA 3550M										
Blank (1436024-BLK1)				Prepared & Analyzed: 04-Sep-14						
Diesel Range Organics (C10-C28)	ND	24.9	mg/kg							
Surrogate: Benzo[a]pyrene	*22.9*		"	*19.9*		*115*	*50-200*			
LCS (1436024-BS1)				Prepared & Analyzed: 04-Sep-14						
Diesel Range Organics (C10-C28)	530	29.9	mg/kg	499		106	38-132			
Surrogate: Benzo[a]pyrene	*20.9*		"	*20.0*		*105*	*50-200*			
Matrix Spike (1436024-MS1)	**Source: P409017-01**			Prepared & Analyzed: 04-Sep-14						
Diesel Range Organics (C10-C28)	528	30.0	mg/kg	499	ND	106	38-132			
Surrogate: Benzo[a]pyrene	*24.8*		"	*20.0*		*124*	*50-200*			
Matrix Spike Dup (1436024-MSD1)	**Source: P409017-01**			Prepared & Analyzed: 04-Sep-14						
Diesel Range Organics (C10-C28)	569	30.0	mg/kg	499	ND	114	38-132	7.49	20	
Surrogate: Benzo[a]pyrene	*25.8*		"	*20.0*		*129*	*50-200*			

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	08-Sep-14 14:04

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1436025 - Purge and Trap EPA 5030A										
Blank (1436025-BLK1)				Prepared & Analyzed: 04-Sep-14						
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
Duplicate (1436025-DUP1)		**Source: P409017-01**		Prepared & Analyzed: 04-Sep-14						
Gasoline Range Organics (C6-C10)	ND	4.96	mg/kg		ND				30	
Matrix Spike (1436025-MS1)		**Source: P409017-01**		Prepared & Analyzed: 04-Sep-14						
Gasoline Range Organics (C6-C10)	0.41		mg/L	0.450	0.03	83.7	75-125			

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	08-Sep-14 14:04

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1436037 - Anion Extraction EPA 300.0										
Blank (1436037-BLK1)				Prepared & Analyzed: 05-Sep-14						
Chloride	ND	9.94	mg/kg							
LCS (1436037-BS1)				Prepared & Analyzed: 05-Sep-14						
Chloride	497	9.94	mg/kg	497		100	90-110			
Matrix Spike (1436037-MS1)	**Source: P409020-01**			Prepared & Analyzed: 05-Sep-14						
Chloride	501	9.87	mg/kg	493	ND	101	80-120			
Matrix Spike Dup (1436037-MSD1)	**Source: P409020-01**			Prepared & Analyzed: 05-Sep-14						
Chloride	509	9.91	mg/kg	495	ND	103	80-120	1.52	20	

CHAIN OF CUSTODY RECORD

17393

Client: BP AMERICA	Project Name / Location: KEYS GC A 1
Email results to: jeffcblagg@AOL-com peacejeffrey@BP-com	Sampler Name: J. BLAGG
Client Phone No.: 505-320-1183	Client No.: 03143-0424

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative HNO_3	Preservative HCl	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
BASE 9-pt comp. @ 30'	9/4/2014	1420	P409020-01	1 x 40z			X	X								X				X	X
									RUSH ASAP												
									BILL BP												

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jeff Blagg	9/4/2014	1521	Miriam JC	9/4/14	1521
Relinquished by: (Signature)			Received by: (Signature)		

Sample Matrix
Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐ _____

☐ Sample(s) dropped off after hours to secure drop off area.

7.6

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	09-Sep-14 14:28

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
North Wall 3-pt 8'-26'	P409029-01A	Soil	09/05/14	09/05/14	Glass Jar, 4 oz.
West Wall 3-pt 8'-26'	P409029-02A	Soil	09/05/14	09/05/14	Glass Jar, 4 oz.

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	09-Sep-14 14:28

North Wall 3-pt 8'-26'

P409029-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8021B	
p,m-Xylene	ND	0.10	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		*104 %*		*50-150*	*1437005*	*09/09/14*	*09/09/14*	*EPA 8021B*	
Surrogate: Bromochlorobenzene		*105 %*		*50-150*	*1437005*	*09/09/14*	*09/09/14*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	34.9	mg/kg	1	1437007	09/09/14	09/09/14	EPA 8015D	
Surrogate: Benzo[a]pyrene		*66.1 %*		*50-200*	*1437007*	*09/09/14*	*09/09/14*	*EPA 8015D*	
Cation/Anion Analysis									
Chloride	ND	9.90	mg/kg	1	1437008	09/09/14	09/09/14	EPA 300.0	

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	09-Sep-14 14:28

West Wall 3-pt 8'-26'

P409029-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8021B	
p,m-Xylene	ND	0.10	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		*101 %*		*50-150*	*1437005*	*09/09/14*	*09/09/14*	*EPA 8021B*	
Surrogate: Bromochlorobenzene		*104 %*		*50-150*	*1437005*	*09/09/14*	*09/09/14*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1437005	09/09/14	09/09/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	34.9	mg/kg	1	1437007	09/09/14	09/09/14	EPA 8015D	
Surrogate: Benzo[a]pyrene		*70.0 %*		*50-200*	*1437007*	*09/09/14*	*09/09/14*	*EPA 8015D*	
Cation/Anion Analysis									
Chloride	ND	9.99	mg/kg	1	1437008	09/09/14	09/09/14	EPA 300.0	

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	09-Sep-14 14:28

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1437005 - Purge and Trap EPA 5030A										
Blank (1437005-BLK1)				Prepared: 08-Sep-14 Analyzed: 09-Sep-14						
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.10	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	*52.1*		*ug/L*	*50.0*		*104*	*50-150*			
Surrogate: Bromochlorobenzene	*50.6*		"	*50.0*		*101*	*50-150*			
Duplicate (1437005-DUP1)	**Source: P409025-01**			Prepared: 08-Sep-14 Analyzed: 09-Sep-14						
Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.10	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	*52.8*		*ug/L*	*50.0*		*106*	*50-150*			
Surrogate: Bromochlorobenzene	*54.9*		"	*50.0*		*110*	*50-150*			
Matrix Spike (1437005-MS1)	**Source: P409025-01**			Prepared: 08-Sep-14 Analyzed: 09-Sep-14						
Benzene	50.2		ug/L	50.0	ND	100	39-150			
Toluene	50.7		"	50.0	ND	101	46-148			
Ethylbenzene	50.8		"	50.0	ND	102	32-160			
p,m-Xylene	102		"	100	ND	102	46-148			
o-Xylene	51.1		"	50.0	ND	102	46-148			
Surrogate: 1,3-Dichlorobenzene	*52.2*		"	*50.0*		*104*	*50-150*			
Surrogate: Bromochlorobenzene	*53.8*		"	*50.0*		*108*	*50-150*			

BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	09-Sep-14 14:28

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1437005 - Purge and Trap EPA 5030A										
Blank (1437005-BLK1)				Prepared: 08-Sep-14 Analyzed: 09-Sep-14						
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg							
Duplicate (1437005-DUP1)		Source: P409025-01		Prepared: 08-Sep-14 Analyzed: 09-Sep-14						
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg		ND				30	
Matrix Spike (1437005-MS1)		Source: P409025-01		Prepared: 08-Sep-14 Analyzed: 09-Sep-14						
Gasoline Range Organics (C6-C10)	0.46		mg/L	0.450	ND	103	75-125			

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	09-Sep-14 14:28

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1437007 - DRO Extraction EPA 3550M										
Blank (1437007-BLK1)				Prepared & Analyzed: 09-Sep-14						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: Benzo[a]pyrene	*25.5*		"	*20.0*		*128*	*50-200*			
LCS (1437007-BS1)				Prepared & Analyzed: 09-Sep-14						
Diesel Range Organics (C10-C28)	481	25.0	mg/kg	500		96.3	38-132			
Surrogate: Benzo[a]pyrene	*12.6*		"	*20.0*		*63.0*	*50-200*			
Matrix Spike (1437007-MS1)		**Source: P409029-01**		Prepared & Analyzed: 09-Sep-14						
Diesel Range Organics (C10-C28)	560	35.0	mg/kg	499	ND	112	38-132			
Surrogate: Benzo[a]pyrene	*18.0*		"	*20.0*		*90.3*	*50-200*			
Matrix Spike Dup (1437007-MSD1)		**Source: P409029-01**		Prepared & Analyzed: 09-Sep-14						
Diesel Range Organics (C10-C28)	567	35.0	mg/kg	499	ND	114	38-132	1.36	20	
Surrogate: Benzo[a]pyrene	*16.5*		"	*20.0*		*82.5*	*50-200*			

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BP America Production Co.	Project Name:	Keys GC A1	
PO Box 22024	Project Number:	03143-0424	**Reported:**
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	09-Sep-14 14:28

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1437008 - Anion Extraction EPA 300.0										
Blank (1437008-BLK1)				Prepared & Analyzed: 09-Sep-14						
Chloride	ND	9.97	mg/kg							
LCS (1437008-BS1)				Prepared & Analyzed: 09-Sep-14						
Chloride	490	9.82	mg/kg	491		99.7	90-110			
Matrix Spike (1437008-MS1)	**Source: P409029-01**			Prepared & Analyzed: 09-Sep-14						
Chloride	499	9.90	mg/kg	495	ND	101	80-120			
Matrix Spike Dup (1437008-MSD1)	**Source: P409029-01**			Prepared & Analyzed: 09-Sep-14						
Chloride	503	9.94	mg/kg	497	ND	101	80-120	0.656	20	

CHAIN OF CUSTODY RECORD

17399

Client: BP AMERICA	Project Name / Location: Keys GC A 1
Email results to: jeffcblagg@ADL.com pearce.jeffrey@BP.com	Sampler Name: Jeff Blagg
Client Phone No.: 505-320-1183	Client No.: 03143-0424

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative HNO_3	Preservative HCl	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
NORTH WALL 3-PT 8'-26"	9/5/2014	1145	P409029-01	1 x 4oz			X	X								X				Y	Y
WEST WALL 3-PT 8'-26"	"	1151	P409029-02	"			X	X								X				Y	Y
									RUSH ASAP												
									BILL BP												

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jeff Blagg	9/5/2014	1313		9/5/14	1313
Relinquished by: (Signature)			Received by: (Signature)		

Sample Matrix
Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐ _____

☐ Sample(s) dropped off after hours to secure drop off area.

15.4 14.9

envirotech
Analytical Laboratory

5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com

BP America: Keys GC A1

(K) Sec 27 – T32N – R10W

API: 30-045-11230

San Juan County, New Mexico

GEOPROBE INVESTIGATION LOGS

&

LABORATORY TEST RESULTS

JANUARY 30, 2014


KEYS GC A 1
Prior 95 BGT
GP-2
GP-1
GP-3
N
Google earth
1997
Imagery Date: 11/17/2013 36°57'15.10" N 107°52'21.58" W elev 5965 ft eye alt 6280 ft

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

FIELD BORING LOG

BORING ID: GP-1

PROJECT: BP: Keys GC A 1
CLIENT: BP America Production Co.
DRILLING CONTRACTOR: Kyvek
EQUIPMENT USED: GeoProbe
DATE START: 1/30/2014 DATE FINISH: 1/30/2014 DRILLER: Kyvek LOGGED BY: J Blagg
TOTAL DEPTH: 16' CASING TYPE & SIZE: / SLOT SIZE: /
COMMENTS: At BGT center, 216' N10°E of wellhead

DEPTH FEET	SAMPLE TIME	SAMPLE TYPE	FIELD OVM	SAMPLE DESCRIPTION
		GeoProbe with continuous plastic sampler		Cobbles, Sand on Ground Surface
4'	0946		0.0	Silty Sand, Dry, Dark Tan, No Odor, No Stain
8'	0951		0.0	Same as above, Lite Moisture, No Odor, No Stain
10				
12'	0957		0.0	Same as above
16'	1004		0.0	Same as above, Increasal Moisture
20				
30				

BLAGG ENGINEERING, INC.
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(505) 632-1199

FIELD BORING LOG

BORING ID: GP-2

PROJECT: BP: Keys GC A 1
CLIENT: BP America Production Co.
DRILLING CONTRACTOR: Kyvek
EQUIPMENT USED: GeoProbe
DATE START: 1/30/2014 DATE FINISH: 1/30/2014 DRILLER: Kyvek LOGGED BY: J Blagg
TOTAL DEPTH: 16' CASING TYPE & SIZE: — SLOT SIZE: —
COMMENTS: 6' NORTH OF GP-1

DEPTH FEET	SAMPLE TIME	SAMPLE TYPE	FIELD OVM	SAMPLE DESCRIPTION
		GEOPROBE WITH CONTINUOUS PLASTIC SAMPLER		COBBLES, SAND ON GROUND SURFACE
4'	1019		0.0	SILTY SAND, DRY, DARK TAN, NO ODOR, NO STAIN
8'	1023		0.0	SAME AS ABOVE, WITH LITE MOISTURE
10				
12'	1028		0.0	SAME AS ABOVE
16'	1034		0.0	SAME AS ABOVE, INCREASED MOISTURE
20				
30				

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

FIELD BORING LOG

BORING ID: GP-3

PROJECT: BP: Keys GC A 1
CLIENT: BP America Production Co.
DRILLING CONTRACTOR: Kyvek
EQUIPMENT USED: GeoProbe
DATE START: 1/30/2014 DATE FINISH: 1/30/2014 DRILLER: Kyvek LOGGED BY: J Blagg
TOTAL DEPTH: 16' CASING TYPE & SIZE: — SLOT SIZE: —
COMMENTS: 6' SOUTH OF GP-1

DEPTH FEET	SAMPLE TIME	SAMPLE TYPE	FIELD OVM	SAMPLE DESCRIPTION
		GEOPROBE WITH CONTINUOUS PLASTIC SAMPLER		COBBLES & SAND ON GROUNDS SURFACE
4'	1045		0.0	SILTY SAND, Litely MOIST, DARK TAN, NO ODOR, NO STAIN
8'	1050		0.0	SAME AS ABOVE
10				
12'	1054		0.0	SAME AS ABOVE, Increased MOISTURE
16'	1058		0.0	SAME AS ABOVE
20				
30				

Analytical Report
Lab Order **1401C27**
Date Reported: **2/7/2014**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: Keys GC A 1
Lab ID: 1401C27-001 **Matrix:** SOIL

Client Sample ID: GP 1-2-3: 3pt @ 4'
Collection Date: 1/30/2014 9:46:00 AM
Received Date: 1/31/2014 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	190	100		mg/Kg	10	1/31/2014 11:11:40 PM	11505
Surr: DNOP	0	66-131	S	%REC	10	1/31/2014 11:11:40 PM	11505
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JMP**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/2/2014 12:45:58 AM	11514
Surr: BFB	86.0	74.5-129		%REC	1	2/2/2014 12:45:58 AM	11514
EPA METHOD 8021B: VOLATILES						Analyst: **JMP**	
Benzene	ND	0.049		mg/Kg	1	2/2/2014 12:45:58 AM	11514
Toluene	ND	0.049		mg/Kg	1	2/2/2014 12:45:58 AM	11514
Ethylbenzene	ND	0.049		mg/Kg	1	2/2/2014 12:45:58 AM	11514
Xylenes, Total	ND	0.098		mg/Kg	1	2/2/2014 12:45:58 AM	11514
Surr: 4-Bromofluorobenzene	93.0	80-120		%REC	1	2/2/2014 12:45:58 AM	11514
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	ND	30		mg/Kg	20	2/3/2014 1:13:26 PM	11534
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	350	20		mg/Kg	1	2/3/2014	11506

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: Keys GC A 1
Lab ID: 1401C27-002 **Matrix:** SOIL

Client Sample ID: GP 1-2-3: 3pt @ 8'
Collection Date: 1/30/2014 9:51:00 AM
Received Date: 1/31/2014 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	160	100		mg/Kg	10	1/31/2014 11:41:57 PM	11505
Surr: DNOP	0	66-131	S	%REC	10	1/31/2014 11:41:57 PM	11505
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JMP**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/2/2014 1:14:33 AM	11514
Surr: BFB	84.3	74.5-129		%REC	1	2/2/2014 1:14:33 AM	11514
EPA METHOD 8021B: VOLATILES						Analyst: **JMP**	
Benzene	ND	0.048		mg/Kg	1	2/2/2014 1:14:33 AM	11514
Toluene	ND	0.048		mg/Kg	1	2/2/2014 1:14:33 AM	11514
Ethylbenzene	ND	0.048		mg/Kg	1	2/2/2014 1:14:33 AM	11514
Xylenes, Total	ND	0.096		mg/Kg	1	2/2/2014 1:14:33 AM	11514
Surr: 4-Bromofluorobenzene	92.8	80-120		%REC	1	2/2/2014 1:14:33 AM	11514
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	ND	30		mg/Kg	20	2/3/2014 2:15:32 PM	11534
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	830	200		mg/Kg	10	2/3/2014	11506

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: Keys GC A 1
Lab ID: 1401C27-003 **Matrix:** SOIL

Client Sample ID: GP 1-2-3: 3pt @ 12'
Collection Date: 1/30/2014 9:57:00 AM
Received Date: 1/31/2014 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	310	100		mg/Kg	10	2/1/2014 12:12:07 AM	11505
Surr: DNOP	0	66-131	S	%REC	10	2/1/2014 12:12:07 AM	11505
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JMP**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/2/2014 1:43:06 AM	11514
Surr: BFB	83.7	74.5-129		%REC	1	2/2/2014 1:43:06 AM	11514
EPA METHOD 8021B: VOLATILES						Analyst: **JMP**	
Benzene	ND	0.047		mg/Kg	1	2/2/2014 1:43:06 AM	11514
Toluene	ND	0.047		mg/Kg	1	2/2/2014 1:43:06 AM	11514
Ethylbenzene	ND	0.047		mg/Kg	1	2/2/2014 1:43:06 AM	11514
Xylenes, Total	ND	0.095		mg/Kg	1	2/2/2014 1:43:06 AM	11514
Surr: 4-Bromofluorobenzene	90.6	80-120		%REC	1	2/2/2014 1:43:06 AM	11514
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	ND	30		mg/Kg	20	2/3/2014 2:27:56 PM	11534
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	620	200		mg/Kg	10	2/3/2014	11506

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: Keys GC A 1
Lab ID: 1401C27-004 **Matrix:** SOIL

Client Sample ID: GP 1-2-3: 3pt @ 16'
Collection Date: 1/30/2014 10:04:00 AM
Received Date: 1/31/2014 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	200	100		mg/Kg	10	2/1/2014 12:42:09 AM	11505
Surr: DNOP	0	66-131	S	%REC	10	2/1/2014 12:42:09 AM	11505
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JMP**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/2/2014 2:11:40 AM	11514
Surr: BFB	84.0	74.5-129		%REC	1	2/2/2014 2:11:40 AM	11514
EPA METHOD 8021B: VOLATILES						Analyst: **JMP**	
Benzene	ND	0.050		mg/Kg	1	2/2/2014 2:11:40 AM	11514
Toluene	ND	0.050		mg/Kg	1	2/2/2014 2:11:40 AM	11514
Ethylbenzene	ND	0.050		mg/Kg	1	2/2/2014 2:11:40 AM	11514
Xylenes, Total	ND	0.099		mg/Kg	1	2/2/2014 2:11:40 AM	11514
Surr: 4-Bromofluorobenzene	91.1	80-120		%REC	1	2/2/2014 2:11:40 AM	11514
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	ND	30		mg/Kg	20	2/3/2014 2:40:21 PM	11534
EPA METHOD 418.1: TPH						Analyst: **BCN**	
Petroleum Hydrocarbons, TR	1200	200		mg/Kg	10	2/3/2014	11506

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1401C27**

07-Feb-14

Client: Blagg Engineering

Project: Keys GC A 1

Sample ID	**MB-11534**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**11534**		RunNo:	**16499**				
Prep Date:	**2/3/2014**	Analysis Date:	**2/3/2014**		SeqNo:	**475170**	Units:	**mg/Kg**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-11534**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**11534**		RunNo:	**16499**				
Prep Date:	**2/3/2014**	Analysis Date:	**2/3/2014**		SeqNo:	**475171**	Units:	**mg/Kg**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1401C27**

07-Feb-14

Client: Blagg Engineering

Project: Keys GC A 1

Sample ID **MB-11506**	SampType: **MBLK**	TestCode: **EPA Method 418.1: TPH**
Client ID: **PBS**	Batch ID: **11506**	RunNo: **16484**
Prep Date: **1/31/2014**	Analysis Date: **2/3/2014**	SeqNo: **474729** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID **LCS-11506**	SampType: **LCS**	TestCode: **EPA Method 418.1: TPH**
Client ID: **LCSS**	Batch ID: **11506**	RunNo: **16484**
Prep Date: **1/31/2014**	Analysis Date: **2/3/2014**	SeqNo: **474730** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	113	80	120			

Sample ID **LCSD-11506**	SampType: **LCSD**	TestCode: **EPA Method 418.1: TPH**
Client ID: **LCSS02**	Batch ID: **11506**	RunNo: **16484**
Prep Date: **1/31/2014**	Analysis Date: **2/3/2014**	SeqNo: **474732** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	110	80	120	2.56	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1401C27**

07-Feb-14

Client: Blagg Engineering

Project: Keys GC A 1

Sample ID **MB-11505**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **11505**	RunNo: **16420**
Prep Date: **1/31/2014**	Analysis Date: **1/31/2014**	SeqNo: **474322** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	8.1		10.00		81.1	66	131			

Sample ID **LCS-11505**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **11505**	RunNo: **16420**
Prep Date: **1/31/2014**	Analysis Date: **1/31/2014**	SeqNo: **474323** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.6	60.8	145			
Surr: DNOP	4.2		5.000		84.3	66	131			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1401C27**

07-Feb-14

Client: Blagg Engineering

Project: Keys GC A 1

Sample ID **MB-11514**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **11514**	RunNo: **16439**
Prep Date: **1/31/2014**	Analysis Date: **2/1/2014**	SeqNo: **474130** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	820		1000		82.5	74.5	129			

Sample ID **LCS-11514**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **11514**	RunNo: **16439**
Prep Date: **1/31/2014**	Analysis Date: **2/1/2014**	SeqNo: **474131** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	74.5	126			
Surr: BFB	900		1000		89.8	74.5	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1401C27**

07-Feb-14

Client: Blagg Engineering

Project: Keys GC A 1

Sample ID **MB-11514**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **11514**	RunNo: **16439**
Prep Date: **1/31/2014**	Analysis Date: **2/1/2014**	SeqNo: **474184** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.3	80	120			

Sample ID **LCS-11514**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **11514**	RunNo: **16439**
Prep Date: **1/31/2014**	Analysis Date: **2/1/2014**	SeqNo: **474185** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	112	80	120			
Toluene	1.1	0.050	1.000	0	107	80	120			
Ethylbenzene	1.1	0.050	1.000	0	109	80	120			
Xylenes, Total	3.3	0.10	3.000	0	109	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.1	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: BLAGG Work Order Number: 1401C27 RcptNo: 1

Received by/date: 01/31/14

Logged By: Ashley Gallegos 1/31/2014 10:15:00 AM

Completed By: Ashley Gallegos 1/31/2014 2:00:57 PM

Reviewed By: IO 01/31/2014

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?			

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? _____
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☑ NA ☐

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Client:	Blagg Engineering, Inc.	☒ Standard ☐ Rush	
	BP America	Project Name:	Keys GC A 1
Mailing Address:	P.O. Box 87		
	Bloomfield, NM 87413	Project #:	
Phone #:	(505)320-1183		
email or Fax#:		Project Manager:	Jeff Blagg
QA/QC Package:			
☒ Standard	☐ Level 4 (Full Validation)		
☐ Other		Sampler:	Jeff Blagg
☐ EDD (Type)		On Ice:	☒ Yes ☐ No
		Sample Temperature:	1.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1401C27	BTEX (8021)		TPH 8015B (GRO / DRO)	TPH (Method 418.1)							Chloride		Air Bubbles (Y or N)
Analysis Request																			
01/30/2014	9:46	Soil	GP 1-2-3: 3pt @ 4'	4oz x 1	cool	-001	x		x	x							x		
01/30/2014	9:51	Soil	GP 1-2-3: 3pt @ 8'	4oz x 1	cool	-002	x		x	x							x		
01/30/2014	9:57	Soil	GP 1-2-3: 3pt @ 12'	4oz x 1	cool	-003	x		x	x							x		
01/30/2014	10:04	Soil	GP 1-2-3: 3pt @ 16'	4oz x 1	cool	-004	x		x	x							x		

Date: 1/31/14	v 0610	Relinquished by: Jeff Blagg	Received by:	Date 01/31/14	Time 10:15
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Bill Blagg Engineering

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

BP America: Keys GC A1

(K) Sec 27 – T32N – R10W

API: 30-045-11230

San Juan County, New Mexico

ORIGINAL BGT CLOSURE NOTES

&

LABORATORY TEST RESULTS

MAY 16, 2012

CLIENT: BP

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

API #: 30-045-11230
TANK ID (if applicble): A

FIELD REPORT:

(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER:

PAGE #: 1 of 1

SITE INFORMATION:

SITE NAME: KEYS GC A 1

DATE STARTED: 5-16-2012
DATE FINISHED: 5-16-2012

QUAD/UNIT: K SEC: 27 TWP: 32N RNG: 10W PM: NM CNTY: SJ ST: NM

1/4 -1/4/FOOTAGE: LEASE TYPE: FEDERAL / STATE / FEE / INDIAN

LEASE #: — PROD. FORMATION: CONTRACTOR: ELKHORN (C. DAVIS)

ENVIRONMENTAL SPECIALIST(S): JCS

REFERENCE POINT:

WELL HEAD (W.H.) GPS COORD.: 36.95363 x 107.87287 GL ELEV.: 5944

1) 95 BGT (A) SW/DB GPS COORD.: 36.954216 x 107.872725 DISTANCE/BEARING FROM W.H.: 216' N10E

2) GPS COORD.: DISTANCE/BEARING FROM W.H.:

3) GPS COORD.: DISTANCE/BEARING FROM W.H.:

4) GPS COORD.: DISTANCE/BEARING FROM W.H.:

SAMPLING DATA:

CHAIN OF CUSTODY RECORD(S) # OR LAB USED: HALL

	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	LAB ANALYSIS	OVM READING (ppm)
1)	5-Pt @ 3'	5-16-12	0835	TPH/BTEX/Cl⁻	0.0
2)					
3)					
4)					

SOIL DESCRIPTION:

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER

SOIL COLOR:

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

HC ODOR DETECTED: YES (NO) EXPLANATION -

SAMPLE TYPE: GRAB (COMPOSITE) # OF PTS. 5

DISCOLORATION/STAINING OBSERVED: YES (NO) EXPLANATION -

ANY AREAS DISPLAYING WETNESS: YES (NO) EXPLANATION -

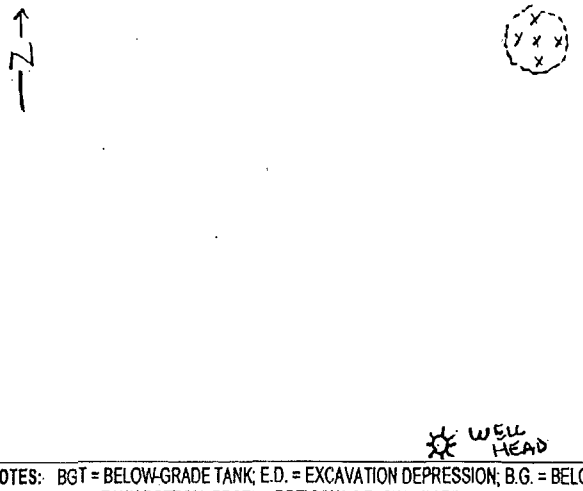
ADDITIONAL COMMENTS: BGT set 2½' ± Below Grade, sitting on Gravel Pad

EXCAVATION DIMENSIONS (if applicable): — ft. X — ft. X — ft. cubic yards excavated (if applicable): —

DEPTH TO GROUNDWATER: >50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >200 NMOCD TPH CLOSURE STD: 100 PPM

SITE SKETCH

PLOT PLAN circle: attached



OVM CALIB. READ. = 51.9 ppm RF = 0.52
OVM CALIB. GAS = 100 ppm
TIME: 0940 am/pm DATE: 5-16-12

MISCELL. NOTES

N 1565874
PO: 80292
PK; BSCHELL BGT
[755222]

Tank ID A BGT Sidewalls Visible: Y (N) NA

BGT Sidewalls Visible: Y / N / NA

Magnetic declination: 10 °E

NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.

TRAVEL NOTES: CALLOUT: ONSITE: 5-16-2012

revised: 07/11/11

BEI1005E-3.SKF

Keys GC A1
5/16/2012
95 BBL BGT Footprint

Analytical Report
Lab Order **1205842**
Date Reported: **5/25/2012**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: Keys GC A1
Lab ID: 1205842-001 **Matrix:** SOIL

Client Sample ID: 95 BGT 5-pt @ 3'
Collection Date: 5/16/2012 8:35:00 AM
Received Date: 5/18/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JMP**
Diesel Range Organics (DRO)	360	200		mg/Kg	20	5/23/2012 11:37:18 AM
Surr: DNOP	0	82.1-121	S	%REC	20	5/23/2012 11:37:18 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	49		mg/Kg	10	5/23/2012 4:36:30 PM
Surr: BFB	89.9	69.7-121		%REC	10	5/23/2012 4:36:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.49		mg/Kg	10	5/23/2012 4:36:30 PM
Toluene	ND	0.49		mg/Kg	10	5/23/2012 4:36:30 PM
Ethylbenzene	ND	0.49		mg/Kg	10	5/23/2012 4:36:30 PM
Xylenes, Total	ND	0.98		mg/Kg	10	5/23/2012 4:36:30 PM
Surr: 4-Bromofluorobenzene	92.4	80-120		%REC	10	5/23/2012 4:36:30 PM
EPA METHOD 300.0: ANIONS						Analyst: **BRM**
Chloride	ND	7.5		mg/Kg	5	5/24/2012 2:50:50 PM
EPA METHOD 418.1: TPH						Analyst: **JMP**
Petroleum Hydrocarbons, TR	2,000	390		mg/Kg	20	5/23/2012

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1205842**

25-May-12

Client: Blagg Engineering

Project: Keys GC A1

Sample ID	**MB-2091**	SampType: **MBLK**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID: **2091**			RunNo: **3020**					
Prep Date:	**5/24/2012**	Analysis Date: **5/24/2012**			SeqNo: **83677**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-2091**	SampType: **LCS**			TestCode: **EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID: **2091**			RunNo: **3020**					
Prep Date:	**5/24/2012**	Analysis Date: **5/24/2012**			SeqNo: **83678**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.1	90	110			

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1205842**

25-May-12

Client: Blagg Engineering

Project: Keys GC A1

Sample ID **MB-2066**	SampType: **MBLK**	TestCode: **EPA Method 418.1: TPH**
Client ID: **PBS**	Batch ID: **2066**	RunNo: **2961**
Prep Date: **5/22/2012**	Analysis Date: **5/23/2012**	SeqNo: **82136** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID **LCS-2066**	SampType: **LCS**	TestCode: **EPA Method 418.1: TPH**
Client ID: **LCSS**	Batch ID: **2066**	RunNo: **2961**
Prep Date: **5/22/2012**	Analysis Date: **5/23/2012**	SeqNo: **82137** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	98	20	100.0	0	98.3	87.8	115			

Sample ID **LCSD-2066**	SampType: **LCSD**	TestCode: **EPA Method 418.1: TPH**
Client ID: **LCSS02**	Batch ID: **2066**	RunNo: **2961**
Prep Date: **5/22/2012**	Analysis Date: **5/23/2012**	SeqNo: **82138** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	99.6	87.8	115	1.31	8.04	

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1205842**

25-May-12

Client: Blagg Engineering

Project: Keys GC A1

Sample ID **MB-2024**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **2024**	RunNo: **2934**
Prep Date: **5/21/2012**	Analysis Date: **5/22/2012**	SeqNo: **81538** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.8		10.00		97.6	82.1	121			

Sample ID **LCS-2024**	SampType: **LCS**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **2024**	RunNo: **2934**
Prep Date: **5/21/2012**	Analysis Date: **5/22/2012**	SeqNo: **81539** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.9		5.000		97.3	82.1	121			

Sample ID **MB-2055**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **2055**	RunNo: **2935**
Prep Date: **5/22/2012**	Analysis Date: **5/22/2012**	SeqNo: **81541** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	10		10.00		101	82.1	121			

Sample ID **LCS-2055**	SampType: **LCS**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **2055**	RunNo: **2935**
Prep Date: **5/22/2012**	Analysis Date: **5/22/2012**	SeqNo: **81590** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	100	52.6	130			
Surr: DNOP	4.7		5.000		94.1	82.1	121			

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1205842**

25-May-12

Client: Blagg Engineering

Project: Keys GC A1

Sample ID **MB-2045**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **PBS**	Batch ID: **2045**	RunNo: **3004**
Prep Date: **5/21/2012**	Analysis Date: **5/24/2012**	SeqNo: **83270** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1,000		91.7	69.7	121			

Sample ID **LCS-2045**	SampType: **LCS**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **LCSS**	Batch ID: **2045**	RunNo: **3004**
Prep Date: **5/21/2012**	Analysis Date: **5/24/2012**	SeqNo: **83271** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	112	98.5	133			
Surr: BFB	970		1,000		97.0	69.7	121			

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1205842**

25-May-12

Client: Blagg Engineering

Project: Keys GC A1

Sample ID **MB-2045**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **2045**	RunNo: **3004**
Prep Date: **5/21/2012**	Analysis Date: **5/24/2012**	SeqNo: **83297** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.0	80	120			

Sample ID **LCS-2045**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **2045**	RunNo: **3004**
Prep Date: **5/21/2012**	Analysis Date: **5/24/2012**	SeqNo: **83298** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.050	1.000	0	96.1	83.3	107			
Toluene	1.0	0.050	1.000	0	101	74.3	115			
Ethylbenzene	1.0	0.050	1.000	0	102	80.9	122			
Xylenes, Total	3.1	0.10	3.000	0	102	85.2	123			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.3	80	120			

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: BLAGG Work Order Number: 1205842

Received by/date: MG 05/18/12

Logged By: Anne Thorne 5/18/2012 10:00:00 AM Anne Thorne

Completed By: Anne Thorne 5/21/2012 Anne Thorne

Reviewed By: AT 05/21/12

Chain of Custody

1. Were seals intact? Yes ☐ No ☐ Not Present ☑
2. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Coolers are present? (see 19. for cooler specific information) Yes ☑ No ☐ NA ☐
5. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: BLAGG ENGINEERING INC.
BP AMERICA
Mailing Address: P.O. BOX 87
BLOOMFIELD, NM 87413
Phone #: 505-632-1199
email or Fax#:
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: KEYS GC A 1
Project #:
Project Manager: J. BLAGG
Sampler: J. BLAGG
On Ice: ☒ Yes ☐ No
Sample Temperature: 4.2

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 120 3412	BTEX + ~~MTBE~~ + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	CHLORIDE				Air Bubbles (Y or N)
5/16/12	0835	SOIL	95 BGT 5-pt @ 3'	4 oz x 1	COOL	-001	X		X	X								X				

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
5/17/12	1546			5/17/12	1546
5/17/20	1710			05/18/12	1000

Remarks: GRO + DRO ON 8015
N 1565874
PK: ZSCHWILBGT
JEFF PEACE

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.