

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

AUG 11 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: Steve Moskal
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9497
Facility Name: Childers 3E	Facility Type: Natural gas well
Surface Owner: Federal	Mineral Owner: Federal
API No. 3004525623	

LOCATION OF RELEASE

Unit Letter O	Section 3	Township 31N	Range 11W	Feet from the 1,290	North/South Line South	Feet from the 1,780	East/West Line East	County: San Juan
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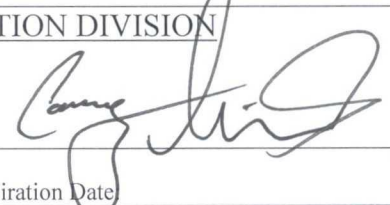
Latitude 36.923549

Longitude -107.975102

NATURE OF RELEASE

Type of Release: none	Volume of Release: N/A	Volume Recovered: N/A
Source of Release: below grade tank – 95 bbl	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: August 21, 2012; unknown
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* Hydrocarbon impacted soil discovered during removal of 95 bbl BGT. Soil remediation performed via excavation.		
Describe Area Affected and Cleanup Action Taken.* Hydrocarbon impacted soil encountered during BGT removal was excavated and transported for offsite disposal. Final excavation size measured approximately 59' x 43' x 14' deep with a total of 950 cubic yards of soil removed. Laboratory results for samples collected from excavation extents determined concentrations of TPH, BTEX and chloride at or below soil remediation guidelines. The excavation was backfilled and compacted and is still within the active well area.		

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: 	OIL CONSERVATION DIVISION	
Printed Name: Steve Moskal	Approved by Environmental Specialist: 	
Title: Field Environmental Coordinator	Approval Date: 8/12/15	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: August 7, 2015	Phone: 505-326-9497	

* Attach Additional Sheets If Necessary

#NCS 15 224491528

BP AMERICA PRODUCTION COMPANY

CHILDERS 003E – 95 BBL BGT (TANK ID: A) RELEASE CLEANUP

API #: 30-045-25623

Legal Description: (Unit Letter O, Sec. 3 -T31N -R11W, NMPPM)

CHRONOLOGICAL EVENT SUMMATION

1. **August 14, 2012:** BP begins closure of 95 barrel below-grade tank (BGT) at the site. Obvious and apparent soil impacts based on physical odor and distinct visible discoloration were observed directly beneath the BGT after its removal from the subsurface. Origin of source was undetermined, but may have resulted from the loss integrity of the BGT bottom. BP elected to conduct remediation of the impacted soils via excavation as soon as the needed equipment was mobilized to the site.
2. **August 21, 2012:** Approximately nine hundred seventy five (975) cubic yards of soils were excavated beneath the BGT and separator unit, then transported to BP's Crouch Mesa Facility. Excavation dimensions were approximately 59 ft. X 43 ft. X 12-14 ft. depth. Subsequent grab and composite samples were collected to confirm the excavation met the New Mexico Oil Conservation Division's Spill & Release Guideline closure standards for the site.
3. **August 29, 2012:** Lab results were received. The following summary table contains results of the sampling conducted on August 21st.

BP AMERICA PRODUCTION COMPANY

CHILDERS 003E – 95 BBL BGT (TANK ID: A) RELEASE CLEANUP

API #: 30-045-25623

Legal Description: (Unit Letter O, Sec. 3 -T31N -R11W, NMPM)

Lab Analysis Parameter	Sample ID's and Collection Dates				
	1A @ 12' (95) (grab sample) 8/21/2012	3PC (1,2,3) @ 6' (95) (3 pt. composite) 8/21/2012	4PC (4,5,6,7) @ 5'-7' (95) (4 pt. composite) 8/21/2012	3PC (3A,4A,5A) @ 10' (95) (3 pt. composite) 8/22/2012	5PC -EB @ 12'-14' (95) (5 pt. composite) 8/22/2012
TPH (8015B)	101.4	ND (<10)	ND (<10)	ND (<10)	13
Benzene (8021B)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)	ND (0.050)
Total BTEX (8021B)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)
Chloride (300.0)	ND (30)	ND (30)	ND (30)	ND (30)	ND (30)

Note: TPH - Total Petroleum Hydrocarbons

BTEX - Benzene, toluene, ethylbenzene, total xylenes

US EPA Method in bracket adjacent to Lab Analysis Parameter

ND - Not detected at Reporting Limit (# in bracket)

All lab analyses units in mg/Kg (milligram per kilogram)

NMOCD Spill & Release Guideline Closure Standards for the site:

TPH = 100 mg/Kg; benzene = 10 mg/Kg; total BTEX = 50 mg/Kg

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004525623 TANK ID (if applicable): A
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FIELD REPORT: (circle one): BGT CONFIRMATION / RELEASE INVESTIGATION OTHER: <div style="text-align: center; color: blue; font-weight: bold;">REMEDIAION VIA EXCAVATION</div>	PAGE #: 1 of 1
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SITE INFORMATION:	SITE NAME: CHILDERS # 3E	DATE STARTED: 08/21/12
QUAD/UNIT: 0 SEC: 3 TWP: 31N RNG: 11W PM: NM CNTY: SJ ST: NM		DATE FINISHED: _____
1/4 -1/4/FOOTAGE: 1,290'S / 1,780'E SW/SE LEASE TYPE: FEDERAL STATE / FEE / INDIAN		ENVIRONMENTAL SPECIALIST(S): NJV
LEASE #: SF078040	PROD. FORMATION: DK	CONTRACTOR: ELKHORN MBF - G. CLEAVER

REFERENCE POINT:	WELL HEAD (W.H.) GPS COORD.: 36.923438 X 107.974749 GL ELEV.: 5,980'
1) 95 BGT (DW/DB)	GPS COORD.: 36.923549 X 107.975102 DISTANCE/BEARING FROM W.H.: 94', N62W
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	OVM READING (ppm)
1) SAMPLE ID: Multiple samples (see lab COCR) SAMPLE DATE: 08/21/12 SAMPLE TIME: _____ LAB ANALYSIS: 8015, 8021, 300.0 (CI)		
2) SAMPLE ID: Multiple samples (see lab COCR) SAMPLE DATE: 08/22/12 SAMPLE TIME: _____ LAB ANALYSIS: 8015, 8021, 300.0 (CI)		
3) SAMPLE ID: _____ SAMPLE DATE: _____ SAMPLE TIME: _____ LAB ANALYSIS: _____		
4) SAMPLE ID: _____ SAMPLE DATE: _____ SAMPLE TIME: _____ LAB ANALYSIS: _____		

SOIL DESCRIPTION:	SOIL TYPE: SAND SILTY SAND SILT / SILTY CLAY / CLAY / GRAVEL OTHER BEDROCK - SANDSTONE / SHALE - VERY PALE ORANGE TO DARK GRAY/BLACK
SOIL COLOR: DARK YELLOWISH TO MODERATE BROWN	PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
COHESION (ALL OTHERS): NON COHESIVE SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE	DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD
CONSISTENCY (NON COHESIVE SOILS): LOOSE FIRM DENSE VERY DENSE	HC ODOR DETECTED: YES NO EXPLANATION - _____
MOISTURE: DRY SLIGHTLY MOIST MOIST / WET / SATURATED / SUPER SATURATED	
SAMPLE TYPE: GRAB COMPOSITE # OF PTS. 3, 4, 5	
DISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION - _____	

ANY AREAS DISPLAYING WETNESS: YES NO EXPLANATION - _____

APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES NO EXPLANATION: _____

ADDITIONAL COMMENTS: **BEDROCK WITHIN SIDEWALLS AT VARYING DEPTHS, SANDSTONE OR SHALE ENCOUNTERED - SOFT TO VERY HARD BETWEEN 8 TO 14 FT. BELOW GRADE. NO APPARENT HYDROCARBON ODOR DETECTED PHYSICALLY DURING SAMPLING.**

EXCAVATION DIMENSIONS (if applicable): **59** ft. X **43** ft. X **12-14** ft. cubic yards excavated (if applicable): **975**

DEPTH TO GROUNDWATER: **<50'** NEAREST WATER SOURCE: **>1,000'** NEAREST SURFACE WATER: **<200'** NMOCD TPH CLOSURE STD: **100** ppm

SITE SKETCH	PLOT PLAN circle: attached	OVM CALIB. READ. = 53.1 ppm RF = 0.52 OVM CALIB. GAS = 100 ppm TIME: 8:36 am/pm DATE: 08/21/12
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SAMPLE DATE: 08/21/12		
SAMP. ID	TIME	OVM (ppm)
1 @ 6'	1324	0.0
1A @ 12'	1326	43.0
2 @ 6'	1329	0.0
3 @ 8'	1330	0.0
4 @ 5'	1334	0.0
5 @ 7'	1336	0.0
6 @ 6'	1338	0.0
7 @ 8'	1327	0.0

SAMPLE DATE: 08/22/12		
SAMP. ID	TIME	OVM (ppm)
3A @ 10'	1203	0.0
4A @ 10'	1206	0.0
5A @ 10'	1208	0.0

SIDEWALL S.P.D. PBGTL T.B. ~ 6' B.G. EXCAVATION PERIMETER PREVIOUS SEP. UNIT POSITION
 TO STOCK POND ~120 FT. TO W.H.
 ● - Excavation Bottom S.P.D.

MISCELL. NOTES	
WO: N1600456	
PO #: 83164	
PK: 745510	
PJ #: Z2-00690-C	
Permit date(s): 06/14/10	
OCD Appr. date(s): 09/17/11	
Tank ID	OVM = Organic Vapor Meter ppm = parts per million
A	BGT Sidewalls Visible: Y / N
	BGT Sidewalls Visible: Y / N
	BGT Sidewalls Visible: Y / N
Magnetic declination: 10° E	

NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; 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: 08/21/12 late morn.	ONSITE: 08/21/12 after. (sched.), 08/22/12
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Analytical Report

Lab Order 1208A36

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 1A @ 12' (95)

Project: Childers #3E

Collection Date: 8/21/2012 1:26:00 PM

Lab ID: 1208A36-001

Matrix: SOIL

Received Date: 8/23/2012 10:08:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	92	10		mg/Kg	1	8/24/2012 9:24:31 AM
Surr: DNOP	118	77.6-140		%REC	1	8/24/2012 9:24:31 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	9.4	5.0		mg/Kg	1	8/24/2012 3:23:58 AM
Surr: BFB	211	84-116	S	%REC	1	8/24/2012 3:23:58 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	8/24/2012 3:23:58 AM
Toluene	ND	0.050		mg/Kg	1	8/24/2012 3:23:58 AM
Ethylbenzene	ND	0.050		mg/Kg	1	8/24/2012 3:23:58 AM
Xylenes, Total	ND	0.10		mg/Kg	1	8/24/2012 3:23:58 AM
Surr: 4-Bromofluorobenzene	106	80-120		%REC	1	8/24/2012 3:23:58 AM
EPA METHOD 300.0: ANIONS						Analyst: SRM
Chloride	ND	30		mg/Kg	20	8/24/2012 10:09:17 AM

Qualifiers:	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
	X	Value exceeds Maximum Contaminant Level.		

Analytical Report

Lab Order 1208A36

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 3PC (1,2,3) @ 6'-8' (95)

Project: Childers #3E

Collection Date: 8/21/2012 1:30:00 PM

Lab ID: 1208A36-002

Matrix: SOIL

Received Date: 8/23/2012 10:08:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/24/2012 9:46:10 AM
Surr: DNOP	116	77.6-140		%REC	1	8/24/2012 9:46:10 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/23/2012 12:03:37 PM
Surr: BFB	97.5	84-116		%REC	1	8/23/2012 12:03:37 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	8/23/2012 12:03:37 PM
Toluene	ND	0.050		mg/Kg	1	8/23/2012 12:03:37 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/23/2012 12:03:37 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/23/2012 12:03:37 PM
Surr: 4-Bromofluorobenzene	99.7	80-120		%REC	1	8/23/2012 12:03:37 PM
EPA METHOD 300.0: ANIONS						Analyst: SRM
Chloride	ND	30		mg/Kg	20	8/24/2012 10:58:56 AM

Qualifiers:

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
X	Value exceeds Maximum Contaminant Level.

E	Value above quantitation range
J	Analyte detected below quantitation limits
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering Client Sample ID: 4PC (4,5,6,7) @ 5'-7' (95)
 Project: Childers #3E Collection Date: 8/21/2012 1:38:00 PM
 Lab ID: 1208A36-003 Matrix: SOIL Received Date: 8/23/2012 10:08:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/24/2012 10:07:54 AM
Surr: DNOP	115	77.6-140		%REC	1	8/24/2012 10:07:54 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/23/2012 12:32:21 PM
Surr: BFB	98.9	84-116		%REC	1	8/23/2012 12:32:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	8/23/2012 12:32:21 PM
Toluene	ND	0.050		mg/Kg	1	8/23/2012 12:32:21 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/23/2012 12:32:21 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/23/2012 12:32:21 PM
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	8/23/2012 12:32:21 PM
EPA METHOD 300.0: ANIONS						Analyst: SRM
Chloride	ND	30		mg/Kg	20	8/24/2012 11:23:46 AM

Qualifiers:	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
	X	Value exceeds Maximum Contaminant Level.		

Analytical ReportLab Order **1208A36**Date Reported: **8/29/2012****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Blagg Engineering**Client Sample ID:** 3PC (3A,4A,5A) @ 10' (95)**Project:** Childers #3E**Collection Date:** 8/22/2012 12:15:00 PM**Lab ID:** 1208A36-004**Matrix:** SOIL**Received Date:** 8/23/2012 10:08:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/24/2012 10:29:30 AM
Surr: DNOP	118	77.6-140		%REC	1	8/24/2012 10:29:30 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/23/2012 1:01:05 PM
Surr: BFB	97.1	84-116		%REC	1	8/23/2012 1:01:05 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	8/23/2012 1:01:05 PM
Toluene	ND	0.050		mg/Kg	1	8/23/2012 1:01:05 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/23/2012 1:01:05 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/23/2012 1:01:05 PM
Surr: 4-Bromofluorobenzene	99.3	80-120		%REC	1	8/23/2012 1:01:05 PM
EPA METHOD 300.0: ANIONS						Analyst: SRM
Chloride	30	30		mg/Kg	20	8/24/2012 11:48:36 AM

Qualifiers:	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
	X	Value exceeds Maximum Contaminant Level.		

Analytical Report

Lab Order 1208A36

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-EB @ 12'-14' (95)

Project: Childers #3E

Collection Date: 8/22/2012 12:10:00 PM

Lab ID: 1208A36-005

Matrix: SOIL

Received Date: 8/23/2012 10:08:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	13	9.7		mg/Kg	1	8/24/2012 10:51:16 AM
Surr: DNOP	118	77.6-140		%REC	1	8/24/2012 10:51:16 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/23/2012 1:29:56 PM
Surr: BFB	122	84-116	S	%REC	1	8/23/2012 1:29:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	8/23/2012 1:29:56 PM
Toluene	ND	0.050		mg/Kg	1	8/23/2012 1:29:56 PM
Ethylbenzene	ND	0.050		mg/Kg	1	8/23/2012 1:29:56 PM
Xylenes, Total	ND	0.10		mg/Kg	1	8/23/2012 1:29:56 PM
Surr: 4-Bromofluorobenzene	99.9	80-120		%REC	1	8/23/2012 1:29:56 PM
EPA METHOD 300.0: ANIONS						Analyst: SRM
Chloride	ND	30		mg/Kg	20	8/24/2012 12:13:26 PM

Qualifiers: 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
X Value exceeds Maximum Contaminant Level.

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

Chain-of-Custody Record

Client: **BLAGG ENGR. / 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: COMPLETE BY **08/24/2012**

☐ Standard ☒ Rush

Project Name: **CHILDERS # 3E**

Project #:

Project Manager: **NELSON VELEZ**

Sampler: **NELSON VELEZ**

On Ice: ☒ Yes ☐ No

Sample Temperature: **1.7**



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and # 8/21/12 MeqH Kits 4 oz. - 1	Preservative Type	HEAL No. 1208A36	BTEX + MTBE + THMs (8021B)	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, NO3, PO4, SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride (300.0)	Grab sample	Composite sample	Air, Bulk, or Soil
8/21/12	1326	SOIL	1A @ 12' (95)		Cool	-001	✓	✓										✓	✓		
8/21/12	1330	SOIL	3PC (1,2,3) @ 6'-8' (95)	4 oz. - 1	Cool	-002	✓	✓										✓		✓	2L 3F
8/21/12	1338	SOIL	4PC (4,5,6,7) @ 5'-7' (95)	4 oz. - 1	Cool	-003	✓	✓										✓		✓	2L 3F
8/22/12	1215	SOIL	3PC (3A,4A,5A) @ 10' ^{20'} (95)	4 oz. - 1	Cool	-004	✓	✓										✓		✓	2L 3F
8/22/12	1218	SOIL	5PC - EB @ 12'-14' (95)	4 oz. - 1	Cool	-005	✓	✓										✓		✓	2L 3F

Date: **8/22/12** Time: **1410** Relinquished by: *[Signature]*

Date: **8/22/12** Time: **1640** Relinquished by: *[Signature]*

Received by: *[Signature]* Date: **8/22/12** Time: **1410**

Received by: *[Signature]* Date: **8/23/12** Time: **1008**

Remarks: **TPH (8015B) - GRO & DRO ONLY.**

BILL DIRECTLY TO BP:

Jeff Peace, 200 Energy Court, Farmington, NM 87401

Work Order: **N1600456** Paykey: **745510**

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 noted on the analytical report.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1208A36

29-Aug-12

Client: Blagg Engineering

Project: Childers #3E

Sample ID	MB-3458		SampType:		MBLK		TestCode: EPA Method 8015B: Diesel Range Organics				
Client ID:	PBS		Batch ID:		3458		RunNo: 5079				
Prep Date:	8/23/2012		Analysis Date:		8/24/2012		SeqNo: 143933		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	11		10.00		111	77.6	140				

Sample ID	LCS-3458		SampType: LCS		TestCode: EPA Method 8015B: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 3458		RunNo: 5079					
Prep Date:	8/23/2012		Analysis Date: 8/24/2012		SeqNo: 143970		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	10	50.00	0	71.6	52.6	130			
Surr: DNOP	4.3		5.000		85.0	77.6	140			

Qualifiers:

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

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1208A36

29-Aug-12

Client: Blagg Engineering

Project: Childers #3E

Sample ID	MB-3452	SampType:	MBLK	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	PBS	Batch ID:	3452	RunNo:	5085					
Prep Date:	8/22/2012	Analysis Date:	8/23/2012	SeqNo:	144112	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	990		1000		99.3	84	116			

Sample ID	LCS-3452	SampType:	LCS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	LCSS	Batch ID:	3452	RunNo:	5085					
Prep Date:	8/22/2012	Analysis Date:	8/23/2012	SeqNo:	144113	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.1	74	117			
Surr: BFB	1000		1000		99.9	84	116			

Qualifiers:

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

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1208A36

29-Aug-12

Client: Blagg Engineering

Project: Childers #3E

Sample ID	MB-3452		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	3452		RunNo:	5085			
Prep Date:	8/22/2012		Analysis Date:	8/23/2012		SeqNo:	144142		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	1.0		1.000		103	80	120			

Sample ID	LCS-3452		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	3452		RunNo:	5085			
Prep Date:	8/22/2012		Analysis Date:	8/23/2012		SeqNo:	144143		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.050	1.000	0	93.9	76.3	117			
Toluene	0.97	0.050	1.000	0	96.7	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	77	116			
Xylenes, Total	3.0	0.10	3.000	0	100	76.7	117			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Qualifiers:

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

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87105
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: BLAGG

Work Order Number: 1208A36

Received by/date:

AT 08/23/12

Logged By: Anne Thorne

8/23/2012 10:08:00 AM

Anne Thorne

Completed By: Anne Thorne

8/23/2012

Anne Thorne

Reviewed By:

mg

08/23/12

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?

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 $>0^{\circ}\text{C}$ 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	1.7	Good	Yes			

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
10 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-138
Revised March 12, 2007
8-28-12
*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:	BP AMERICA	WJ# N1600456	8-23-12 170cy
2. Originating Site:	CHILDERS 3 E	PK# ZSCHWILL BGT	8-22-12 120cy
3. Location of Material (Street Address, City, State or ULSTR):	LET @ S 03 T31N R 11W	PO# 83165	8/21/12 220cy
4. Source and Description of Waste:	IMPACTED SOIL		
Estimated Volume	121 WAD yd ³ / bbls	Known Volume (to be entered by the operator at the end of the haul)	40 yd ³ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS			
I, Gary Cleaver, representative or authorized agent for BP AMERICA do hereby			
Generator Signature			
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)			
<input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not exempt waste. Operator Use Only: Waste Acceptance Frequency <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load			
<input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for v... rdous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40... 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-h... (Check the appropriate items)			
<input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description			
6. GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS			
I, Gary Cleaver, representative for BP AMERICA authorize JFJ/IE			
Generator Signature			
the required testing/sign the Generator Waste Testing Certification.			
I, [Signature], representative for JFJ do hereby certify			
Representative/Agent Signature			
representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and t... mple results have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC			
of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.			
5. Transporter: COYOTE TRUCKING			

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: JFJ Landfarm/Industrial Ecosystems, Inc. * Permit #: NM 01-0010B

Address of Facility: # 49 CR 3150 Aztec, NM 87410

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: L. Michaels

TITLE: Admin. Specialist

DATE: 8-16-12

SIGNATURE: [Signature]

TELEPHONE NO.: 505-632-1782

Surface Waste Management Facility Authorized Agent