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
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

30 045 31917

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **BP America**	Contact **Donald Brooks**
Address **200 Energy Court**	Telephone No. **(505) 326-9425**
Facility Name **Trigg Federal Gas Com C #001S**	Facility Type **Gas Well (Coalbed Methane)**

Surface Owner: Federal	Mineral Owner	Lease No. SF – 078505

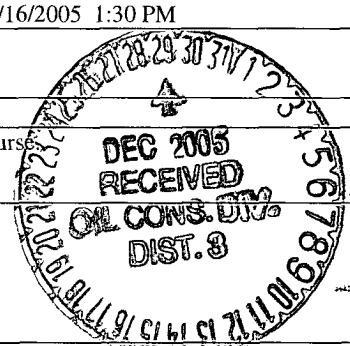
LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	25	31N	09W	1155	North	1020	West	San Juan

Latitude_____ **Longitude**_____

NATURE OF RELEASE

Type of Release: Produced Water (Coalbed Methane)	Volume of Release: 90 barrels	Volume Recovered: 0 barrels
Source of Release; Watr dump line from separator.	Date and Hour of Occurrence 12/16/2005 1:30 PM	Date and Hour of Discovery 12/16/2005 1:30 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Denny Foust	
By Whom? Don Brooks	Date and Hour 12/16/2005 1:35 PM	
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.* Tech arrived on location and discovered that there was a leak from the water dump line out of the separator. The fires on the separator went out causing a freeze on separator and water dump line, causing the dump line to break. All of the water stayed on location, with some soaking into the ground, and the remainder frozen on surface.

Describe Area Affected and Cleanup Action Taken.*
The water stayed on location between the separator and the wellhead. The area was bermed and fenced to protect local livestock from accessing the water. Soil samples were taken of the spill area and a background sample of the unaffected area. Test results show no hydrocarbons, no metals, and a chloride reading of 62.4 mg/L in the spill area compared to 8.8 mg/L in the background sample. Based on these test results, we will leave the soil in place. Sample results and chain of custody 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: Donald Brooks	OIL CONSERVATION DIVISION
Printed Name: Donald Brooks	Approved by District Supervisor: Denny Foust for Charlie Perrin
Title: Field Environmental Coordinator	Approval Date: 12/30/05 Expiration Date:
E-mail Address: brooksd2@bp.com	Conditions of Approval: Attached ☐
Date: 12/28/2005 Phone: 326-9425	

* Attach Additional Sheets If Necessary

nDGF0536149028

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30-045-31917 36.87334 x 107.73834

CLIENT: BP

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

LOCATION NO:
COCR NO: 15227

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: TRIGG FED GC C WELL #: 15 TYPE: WATER RELEASE
QUAD/UNIT: D SEC: 25 TWP: 31N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1155 FNL x 1020 FWL CONTRACTOR: NA

DATE STARTED: 12-19-05
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: JCB

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: —
DISPOSAL FACILITY: NA REMEDIATION METHOD: NA
LAND USE: RANGE - BLM LEASE: SF-078505 FORMATION: FC

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY NA FT. NA FROM WELLHEAD.
DEPTH TO GROUNDWATER: <50 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >200
NMOCD RANKING SCORE: 30 NMOCD TPH CLOSURE STD: 100 PPM

OVM CALIB. READ. = ppm
OVM CALIB. GAS = ppm RF = 0.52
TIME: am/pm DATE:

SOIL AND EXCAVATION DESCRIPTION:

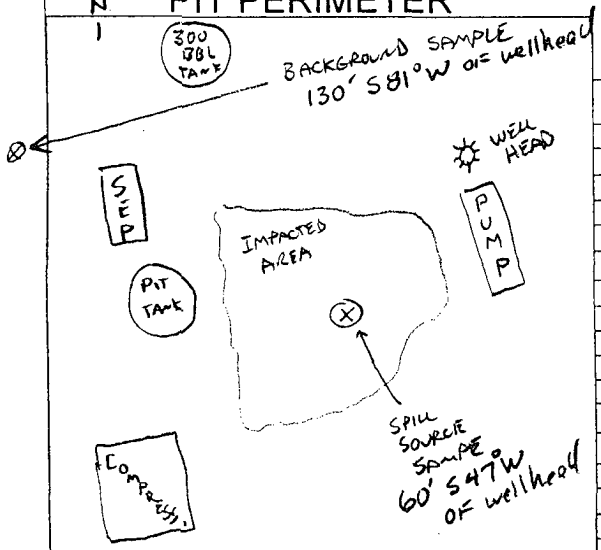
SOIL TYPE: SAND / (SILTY SAND) / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER
SOIL COLOR: DARK TAN
COHESION (ALL OTHERS): NON COHESIVE / (SLIGHTLY COHESIVE) / COHESIVE / HIGHLY COHESIVE
CONSISTENCY (NON COHESIVE SOILS): LOOSE / (FIRM) / DENSE / VERY DENSE
PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD
MOISTURE: DRY / SLIGHTLY MOIST / (MOIST) / WET / SATURATED / SUPER SATURATED
DISCOLORATION/STAINING OBSERVED: YES / (NO) EXPLANATION -
HC ODOR DETECTED: YES / (NO) EXPLANATION -
SAMPLE TYPE: (GRAB) / COMPOSITE - # OF PTS.
ADDITIONAL COMMENTS: PRODUCED WATER SPILL - CONTAINED ON LOCATION. SAMPLE SOILS IN SPILL AREA & BACKGROUND TO EVALUATE IMPACTS

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

SCALE 0 FT

PIT PERIMETER



P.D. = PIT DEPRESSION; B.G. = BELOW GRADE
T.H. = TEST HOLE

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
SPILL	VARIOUS	1240
BACKGRND	"	1230

PIT PROFILE

NA

TRAVEL NOTES: CALLOUT: 12/19/05 ONSITE: 12/19/2005

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Spill 0" - 6"	Date Reported:	12-22-05
Laboratory Number:	35540	Date Sampled:	12-19-05
Chain of Custody:	15227	Date Received:	12-20-05
Sample Matrix:	Soil Extract	Date Extracted:	12-20-05
Preservative:	Cool	Date Analyzed:	12-21-05
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		
pH	**9.33**	s.u.		
Conductivity @ 25° C	**440**	umhos/cm		
Total Dissolved Solids @ 180C	**284**	mg/L		
Total Dissolved Solids (Calc)	**280**	mg/L		
SAR	**12.5**	ratio		
Total Alkalinity as CaCO3	**168**	mg/L		
Total Hardness as CaCO3	**12.4**	mg/L		
Bicarbonate as HCO3	**168**	mg/L	2.75	meq/L
Carbonate as CO3	**<0.1**	mg/L	0.00	meq/L
Hydroxide as OH	**<0.1**	mg/L	0.00	meq/L
Nitrate Nitrogen	**4.8**	mg/L	0.08	meq/L
Nitrite Nitrogen	**<0.001**	mg/L	0.00	meq/L
Chloride	**62.4**	mg/L	1.76	meq/L
Fluoride	**<0.01**	mg/L	0.00	meq/L
Phosphate	**<0.1**	mg/L	0.00	meq/L
Sulfate	**3.5**	mg/L	0.07	meq/L
Iron	**0.095**	mg/L	0.00	meq/L
Calcium	**4.96**	mg/L	0.25	meq/L
Magnesium	**<0.01**	mg/L	0.00	meq/L
Potassium	**1.20**	mg/L	0.03	meq/L
Sodium	**101**	mg/L	4.38	meq/L
Cations			4.67	meq/L
Anions			4.66	meq/L
Cation/Anion Difference			**0.07%**	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Trigg Fed GC C #1S.**

Analyst

Review

5796 U.S. Highway 64 ◦ Farmington, NM 87401 ◦ Tel 505 ◦ 632 ◦ 0615 ◦ Fax 505 ◦ 632 ◦ 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Spill 0" - 6"	Date Reported:	12-21-05
Laboratory Number:	35540	Date Sampled:	12-19-05
Chain of Custody No:	15227	Date Received:	12-20-05
Sample Matrix:	Soil	Date Extracted:	12-20-05
Preservative:	Cool	Date Analyzed:	12-21-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**ND**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Trigg Fed GC C #1S.**

Analyst

Review

5796 U.S. Highway 64 ◦ Farmington, NM 87401 ◦ Tel 505 ◦ 632 ◦ 0615 ◦ Fax 505 ◦ 632 ◦ 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Spill 0" - 6"	Date Reported:	12-21-05
Laboratory Number:	35540	Date Sampled:	12-19-05
Chain of Custody:	15227	Date Received:	12-20-05
Sample Matrix:	Soil	Date Analyzed:	12-21-05
Preservative:	N/A	Date Digested:	12-20-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	**0.146**	**0.001**	**5.0**
Barium	**7.60**	**0.001**	**100**
Cadmium	**0.017**	**0.001**	**1.0**
Chromium	**0.207**	**0.001**	**5.0**
Lead	**0.395**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**ND**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Trigg Fed GC C #1S.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865