

District I
625 N. French Dr., Hobbs, NM 88240
District II
301 W. Grand Avenue, Artesia, NM 88210
District III
000 Rio Brazos Road, Aztec, NM 87410
District IV
220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-144
June 1, 2004

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

For drilling and production facilities, submit to
appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe
office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: BP America Production Company Telephone: (505)326-9200 e-mail address: _____
Address: 200 Energy Ct. Farmington, NM 87401
Facility or well name: MUDGE A #11 API #: 3004510838 U/L or Qtr/Qtr M Sec 18 T 31N R 11W
County: San Juan Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☒
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit

Type: Drilling ☐ Production ☒ Disposal ☐

Workover ☐ Emergency ☐

Lined ☐ Unlined ☐

Liner type: Synthetic ☐ Thickness _____ mil Clay ☐

Pit Volume _____ bbl

Below-grade tank

Volume: _____ bbl Type of fluid: _____

Construction material: _____

Double-walled, with leak detection? Yes ☐ If not, explain why not. _____

RCVD NOV 28 '06
OIL CONSL DIV
DIST. 3

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

Less than 50 feet

(20 points)

50 feet or more, but less than 100 feet

(10 points)

100 feet or more

(0 points)

0

Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)

Yes

(20 points)

No

(0 points)

0

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet

(20 points)

200 feet or more, but less than 1000 feet

(10 points)

1000 feet or more

(0 points)

0

Ranking Score (Total Points)

0

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface _____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

See Attached Documentation

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 11/01/2005

Printed Name/Title Jeffrey C. Blagg, Agent

Signature Jeffrey C. Blagg

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Proval:

DEPUTY OIL & GAS INSPECTOR, DIST. 3

Printed Name/Title

Signature Brian P. [Signature]

Date:

NOV 28 2006

CLIENT:

BP

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

LOCATION NO: B1062

COCR NO: 102.27

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: MUDGE A WELL #: 11 TYPE: DEHY

DATE STARTED: 9-10-02

DATE FINISHED: 9-10-02

QUAD/UNIT: M SEC: 10 TWP: 31N RNG: 11W PM: 12A CNTY: SJ ST: NM

QTR/FOOTAGE: 795'S / 795'W SW/SW CONTRACTOR: HIGH DESERT (HEBER)

ENVIRONMENTAL SPECIALIST: JCB

EXCAVATION APPROX. 10 FT. x 10 FT. x 10 FT. DEEP. CUBIC YARDAGE: 25±

DISPOSAL FACILITY: ON SITE

REMEDATION METHOD: LF

LAND USE: RANGE -BLM

LEASE: 10 SF 078040

FORMATION: M/DK

FIELD NOTES & REMARKS:

PIT LOCATED APPROXIMATELY 86 FT. N22°E FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100

NEAREST WATER SOURCE: >1000

NEAREST SURFACE WATER: >1000

NMOCD RANKING SCORE: 0

NMOCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 130.6 ppm

OVM CALIB. GAS = 250 ppm

RF = 0.52

TIME: 1235 am/pm DATE: 9-10-02

SOIL TYPE: SAND / SILTY SAND / SILT (SILTY CLAY) CLAY / GRAVEL / OTHER S.S. Bedrock @ 10' BG

SOIL COLOR: GRAY/BLACK

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 - GRAY/BLACK

HC ODOR DETECTED: (YES) NO EXPLANATION - STRONG

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

ADDITIONAL COMMENTS:

USE BACKHOE TO EXCAVATE EARTHEN PIT.

PLACE CONTAMINATED DIRT INTO C.F. ON SITE.

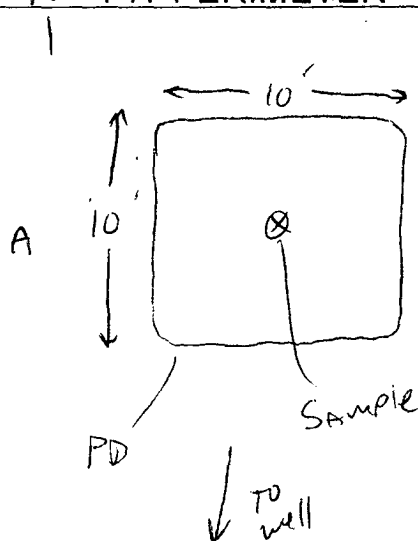
Set Steel Tank in PIT.

SCALE



0 ↑ FT

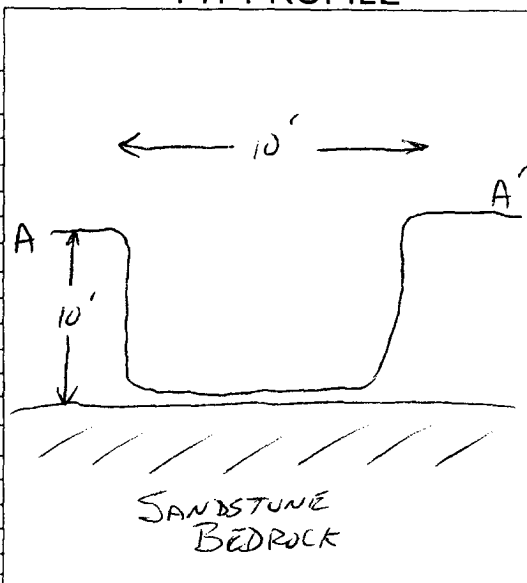
N PIT PERIMETER



P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW
 T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM

FIELD 418.1 CALCULATIONS

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

PIT PROFILE**OVM READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 10	188
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 10	TA/PTX	1220

BOTH PASSED**TRAVEL NOTES:**

CALLOUT: 9-10-02 0800 ONSITE: 9-10-02 NOON

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

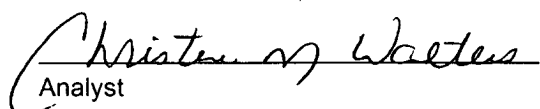
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Dehy #1 @ 10'	Date Reported:	09-11-02
Laboratory Number:	23792	Date Sampled:	09-10-02
Chain of Custody No:	10227	Date Received:	09-10-02
Sample Matrix:	Soil	Date Extracted:	09-11-02
Preservative:	Cool	Date Analyzed:	09-11-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

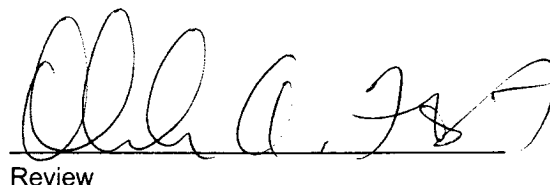
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	190	0.2
Diesel Range (C10 - C28)	8.6	0.1
Total Petroleum Hydrocarbons	197	0.2

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: **Mudge A #11.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Dehy #1 @ 10'	Date Reported:	09-12-02
Laboratory Number:	23792	Date Sampled:	09-10-02
Chain of Custody:	10227	Date Received:	09-10-02
Sample Matrix:	Soil	Date Analyzed:	09-11-02
Preservative:	Cool	Date Extracted:	09-11-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	178	1.8
Toluene	560	1.7
Ethylbenzene	4.7	1.5
p,m-Xylene	4.4	2.2
o-Xylene	3.2	1.0
Total BTEX	750	

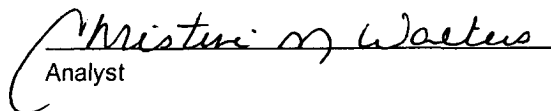
ND - Parameter not detected at the stated detection limit.


Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96 %
	1,4-difluorobenzene	96 %
	Bromochlorobenzene	96 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Mudge A #11.


Analyst


Review

CLIENT: BPBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: B1062C.O.C. NO: 10878

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: MUDGE A WELL #: 11 PITS: DEPT
QUAD/UNIT: M SEC: 10 TWP: 31N RNG: 11W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: SWSW CONTRACTOR: _____DATE STARTED: 5/27/03
DATE FINISHED: _____ENVIRONMENTAL
SPECIALIST: NV

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 35LAND USE: RANGE - BLMLIFT DEPTH (ft): 1'

FIELD NOTES & REMARKS:

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPMDEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____SOIL COLOR: VERY PALE ORANGE TO DR. GRAYCOHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSEPLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTICDENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARDMOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - MED. TO DR. GRAY - ALL SAMPLE PTS.HC ODOR DETECTED: YES / NO EXPLANATION - ALL SAMPLE PTS. & DUM SAMPLE.SAMPLING DEPTHS (LANDFARMS): 6-12 (INCHES)SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. 5

ADDITIONAL COMMENTS: _____

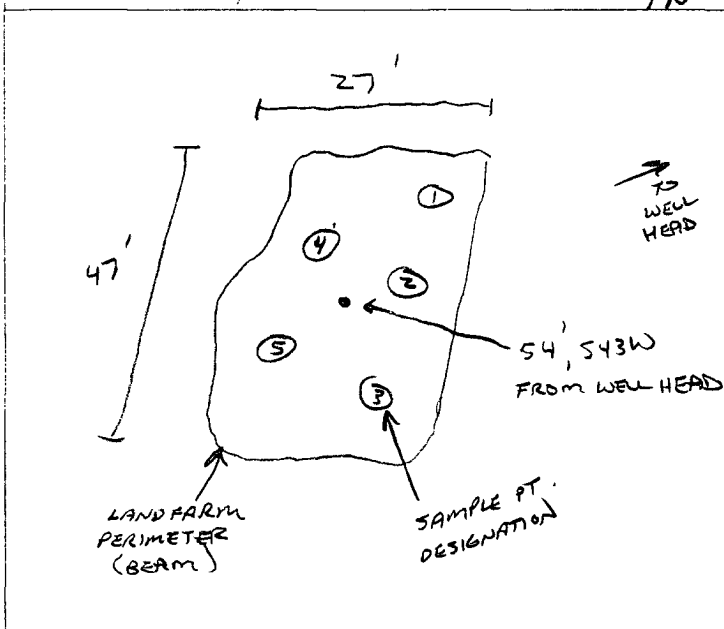
CLOSED

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SKETCH/SAMPLE LOCATIONS

N

OVM CALIB. READ. 53.8 ppm

OVM CALIB. GAS = 100 ppm; RF = 0.52

TIME: 10:10 @/pm DATE: 5/27/03

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS (PPM)
LF-1	538	LF-1	TPH (80158)	11/25	308
		"	BENZ.	"	0.0353
		"	TOT. BTEX	"	2.47

SCALE



0

FT

TRAVEL NOTES: CALLOUT: N/AONSITE: 5/27/03

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

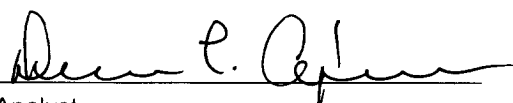
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	05-29-03
Laboratory Number:	25745	Date Sampled:	05-27-03
Chain of Custody No:	10878	Date Received:	05-27-03
Sample Matrix:	Soil	Date Extracted:	05-28-03
Preservative:	Cool	Date Analyzed:	05-28-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

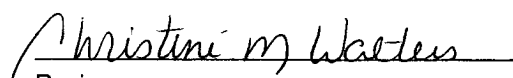
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	202	0.2
Diesel Range (C10 - C28)	106	0.1
Total Petroleum Hydrocarbons	308	0.2

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: **Mudge A #11 Landfarm 5 Pt. Composite.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	05-28-03
Laboratory Number:	25745	Date Sampled:	05-27-03
Chain of Custody:	10878	Date Received:	05-27-03
Sample Matrix:	Soil	Date Analyzed:	05-28-03
Preservative:	Cool	Date Extracted:	05-28-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	35.3	1.8
Toluene	413	1.7
Ethylbenzene	219	1.5
p,m-Xylene	1,050	2.2
o-Xylene	755	1.0
Total BTEX	2,470	

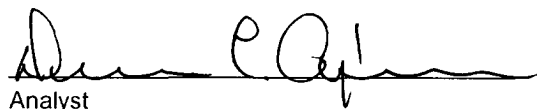
ND - Parameter not detected at the stated detection limit.

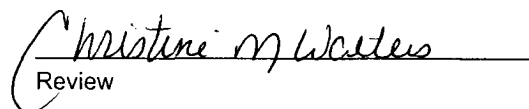
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96 %
	1,4-difluorobenzene	96 %
	Bromochlorobenzene	96 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Mudge A #11 Landfarm 5 Pt. Composite.


Analyst


Review