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-144
June 1, 2004

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 SCHWERDTFEGER B #1A API #: 30045 22426 U/L or Qtr/Qtr O Sec 27 T 31 N R 9 W
County San Juan Latitude Longitude NAD 1927 ☐ 1983 ☒
Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank	
Type Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type Synthetic ☐ Thickness ____mil Clay ☐ Pit Volume ____bbl	Volume: ____bbl Type of fluid Construction material: Double-walled, with leak detection? Yes ☐ If not, explain why not	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (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 No	(20 points) (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 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (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 your 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

RCVD JUN13'07
OIL CONS. DIV.
DIST. 3

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

Approval
Printed Name/Title Deputy Oil & Gas Inspector, District #3 Signature Date AUG 10 2007

3004522426

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: B0822 C.O.C. NO: 9732

FIELD REPORT: ~~SPILL~~ MV PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME SCHWERDTFEGER B WELL #: 1A TYPE BLOW
QUAD/UNIT: O SEC: 27 TWP: 31N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 850'S/1850'E SW/SE CONTRACTOR: FLINT

DATE STARTED 2/27/02
DATE FINISHED
ENVIRONMENTAL SPECIALIST NV

EXCAVATION APPROX. NA FT x NA FT x NA FT. DEEP. CUBIC YARDAGE: 50
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: DILUTED/AERATED
LAND USE: RANGE - BLM LEASE: NM 013685 FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 135 FT. S66E FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

OVM CALIB. READ. 53.2 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 9:05 (am)/pm DATE: 2/26/02

SOIL AND EXCAVATION DESCRIPTION:

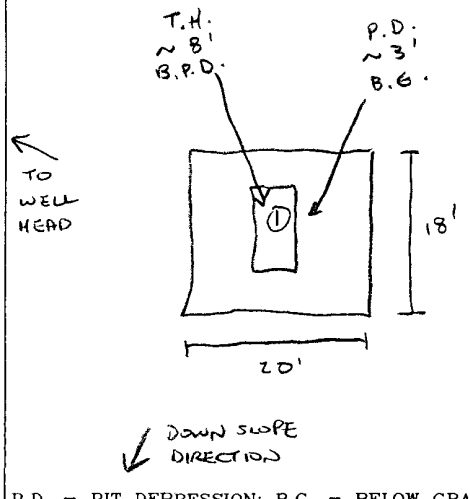
SOIL TYPE: (SAND) / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER
SOIL COLOR: MED. GRAY
COHESION (ALL OTHERS): (NON COHESIVE) / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE
CONSISTENCY (NON COHESIVE SOILS): (LOOSE) / FIRM / DENSE / VERY DENSE
~~PLASTICITY (CLAYS)~~: NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
~~DENSITY (COHESIVE CLAYS & SILTS)~~: SOFT / FIRM / STIFF / VERY STIFF / HARD (CLOSED)
MOISTURE: DRY / (SLIGHTLY MOIST) / MOIST / WET / SATURATED / SUPER SATURATED
DISCOLORATION/STAINING OBSERVED: (YES) / NO EXPLANATION - ENTIRE TEST HOLE INTERVAL
HC ODOR DETECTED: (YES) / NO EXPLANATION - TEST HOLE & OVM SAMPLE
SAMPLE TYPE: (GRAB) / COMPOSITE - # OF PTS. -
ADDITIONAL COMMENTS:

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	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, ~ = APPROX.; B = BELOW

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 11'	621
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 11'	TPH (8015B)	1255
"	BTEX (8021B)	"
BOTH PASSED		

PIT PROFILE

NOT APPLICABLE

TRAVEL NOTES: CALLOUT: 2/27/02 - MORN. ONSITE: 2/27/02 - AFTER.

revised: 02/27/02 be1005C.skd

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:	1 @ 11'	Date Reported:	03-04-02
Laboratory Number:	22160	Date Sampled:	02-27-02
Chain of Custody No:	9732	Date Received:	02-27-02
Sample Matrix:	Soil	Date Extracted:	03-04-02
Preservative:	Cool	Date Analyzed:	03-04-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**343**	**0.2**
Diesel Range (C10 - C28)	**355**	**0.1**
Total Petroleum Hydrocarbons	**698**	**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: **Schwerdtfeger B #1A Blow Pit Grab Sample.**

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 8021
AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 11'	Date Reported:	03-04-02
Laboratory Number:	22160	Date Sampled:	02-27-02
Chain of Custody:	9732	Date Received:	02-27-02
Sample Matrix:	Soil	Date Analyzed:	03-04-02
Preservative:	Cool	Date Extracted:	03-04-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**92.5**	**1.8**
Toluene	**452**	**1.7**
Ethylbenzene	**243**	**1.5**
p,m-Xylene	**1,170**	**2.2**
o-Xylene	**476**	**1.0**
Total BTEX	**2,430**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**95 %**
	1,4-difluorobenzene	**95 %**
	Bromochlorobenzene	**95 %**

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: **Schwerdtfeger B #1A Blow Pit Grab Sample.**

Analyst

Review

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B0822

District I
P.O. Box 1980 Hobbs NM
District II
P.O. Box DD Artesia NM
District III
1000 Rio Brazo Rd. Aztec NM

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: BP AMOCO Telephone: (505) 326-9200

Address: 200 AMOCO COURT, FARMINGTON, NM 87401

Facility or Well Name: Schwerdtferger B #1A

Location: Unit or Qtr/Qtr Sec O Sec 27 T 31N R 9W County San Juan

Pit Type: Separator ___ Dehydrator ___ Other Abandoned #1

Land Type: BLM X, State ___, Fee ___, Other ___

Pit Location: (Attach diagram)

Pit dimensions: length NA, width NA, depth NA

Reference: wellhead X, other ___

Footage from reference: 96'

Direction from reference: 66 Degrees ___ East ✓ North ___ of ___ West ___ South

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (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 No	(20 points) (0 points)	0
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)	0

RANKING SCORE (TOTAL POINTS): 0

Aband. #1 Pit B0822

Date Remediation Started: _____ Date Completed: 3-4-02

[redacted]ediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards NA

Landfarmed ____ Insitu Bioremediation _____

Other CLOSE AS IS.

Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) Onsite X Offsite _____

General Description of Remedial Action: Excavation. Test hole advanced. No remediation necessary.

Groundwater Encountered: No X Yes ____ Depth _____

[redacted] Pit Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 9' (Test hole bottom)

Sample date 2-27-02 Sample time 1245

Sample Results

Soil:	Benzene	(ppm)	____	Water: Benzene	(ppb)	____
	Total BTEX	(ppm)	____	Toluene	(ppb)	____
	Field Headspace	(ppm)	0	Ethylbenzene	(ppb)	____
	TPH	(ppm)	ND	Total Xylenes	(ppb)	____

Groundwater Sample: Yes ____ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 3-4-02 PRINTED NAME Jeffrey C. Blagg

[redacted] SIGNATURE Jeffrey C. Blagg AND TITLE President P.E. # 11607

revised: 03/12/01 be1202.wpd

B0822

District I
P.O. Box 1980 Hobbs NM
District II
P.O. Box DD Artesia NM
District III
1000 Rio Brazo Rd. Aztec NM

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: BP AMOCO Telephone: (505) 326-9200

Address: 200 AMOCO COURT, FARMINGTON, NM 87401

Facility or Well Name: Schwerdtfeger B #1A

Location: Unit or Qtr/Qtr Sec O Sec 27 T 31N R 9W County San Juan

Pit Type: Separator ___ Dehydrator ___ Other Blow

Land Type: BLM X, State ___, Fee ___, Other ___

Pit Location: (Attach diagram)

Pit dimensions: length NA, width NA, depth NA

Reference: wellhead X, other ___

Footage from reference: 135'

Direction from reference: Left Degrees ✓ East North ___ of ___ West South ✓

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (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 No	(20 points) (0 points)	0
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)	0
		RANKING SCORE (TOTAL POINTS):	0

Blow Pit B0822

Date Remediation Started: _____ Date Completed: 3-4-02

Remediation Method: (Check all appropriate sections) Excavation X Approx. cubic yards ~~NA~~ 50

Landfarmed ____ Insitu Bioremediation _____

Other ~~CLOSE AS IS.~~ SV DILUTED & AERATED.

Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) Onsite X Offsite _____

SV

General Description of Remedial Action: Excavation. Test hole advanced. ~~No remediation necessary.~~

Groundwater Encountered: No X Yes ____ Depth _____

Pit Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 11' (Test hole bottom)

Sample date 2-27-02 Sample time 1255

Sample Results

Soil:	Benzene	(ppm) 0.0925	Water:	Benzene	(ppb)	____
	Total BTEX	(ppm) 2.430		Toluene	(ppb)	____
	Field Headspace	(ppm) 621		Ethylbenzene	(ppb)	____
	TPH	(ppm) 698		Total Xylenes	(ppb)	____

Groundwater Sample: Yes ____ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 3-4-02 PRINTED NAME Jeffrey C. Blagg

SIGNATURE Jeffrey C Blagg AND TITLE President P.E. # 11607

CHAIN OF CUSTODY RECORD

09732

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
BLAGG/BP	SCHWERDTFEGER B #1A	

Sampler:	Client No.
NJV	94034-010

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015B)	BTEX (8021B)					Remarks
												PRESERVED COOL
												GRAB SAMPLES
① @ 9'	2/27/02	1245	22159	SOIL	1	✓						ABANDONED #1 PIT
① @ 11'	2/27/02	1255	22160	SOIL	1	✓	✓					BLOW PIT

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Nelson Velez	2/27/02	1450	Olivia L. Ayala	2.27.02	1450
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	03-04-TPH QA/QC	Date Reported:	03-04-02
Laboratory Number:	22158	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-04-02
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	01-07-02	2.5028E-002	2.5003E-002	**0.10%**	**0 - 15%**
Diesel Range C10 - C28	01-07-02	1.2696E-002	1.2671E-002	**0.20%**	**0 - 15%**

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	**ND**	**0.2**
Diesel Range C10 - C28	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.2**

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	**ND**	**ND**	**0.0%**	**0 - 30%**
Diesel Range C10 - C28	**ND**	**ND**	**0.0%**	**0 - 30%**

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	**ND**	**250**	**250**	**100.0%**	**75 - 125%**
Diesel Range C10 - C28	**ND**	**250**	**250**	**100.0%**	**75 - 125%**

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: **QA/QC for samples 22158 - 22161 and 22167 - 22168.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	03-04-BTEX QA/QC	Date Reported:	03-04-02
Laboratory Number:	22160	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-04-02
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc.	Detect. Limit
Benzene	1.7143E-001	1.7195E-001	0.3%	ND	0.2
Toluene	9.4693E-002	9.4883E-002	0.2%	ND	0.2
Ethylbenzene	1.2284E-001	1.2321E-001	0.3%	ND	0.2
p,m-Xylene	1.0810E-001	1.0843E-001	0.3%	ND	0.2
o-Xylene	9.2106E-002	9.2290E-002	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	92.5	89.6	3.1%	0 - 30%	1.8
Toluene	452	436	3.6%	0 - 30%	1.7
Ethylbenzene	243	234	3.5%	0 - 30%	1.5
p,m-Xylene	1,170	1,130	3.4%	0 - 30%	2.2
o-Xylene	476	463	2.9%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	92.5	50.0	142	99.9%	39 - 150
Toluene	452	50.0	502	100.0%	46 - 148
Ethylbenzene	243	50.0	292	99.9%	32 - 160
p,m-Xylene	1,170	100	1,270	100.0%	46 - 148
o-Xylene	476	50.0	526	100.0%	46 - 148

ND - Parameter not detected at the stated detection limit.

References. Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for sample 22160.**

Analyst

Review

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