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: ROELOFS A #3A API #: 30045 22360 U/L or Qtr/Qtr J Sec 9 T 29N R 8W
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

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.

roval: DEPUTY OIL & GAS INSPECTOR, DIST. #3
Printed Name/Title ____ Signature Brandon Powell Date: OCT 25 2006

30045 22360

CLIENT: BP

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

LOCATION NO: B0845
C.O.C. NO: 8291

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: ROELOFS A WELL #: 3A PIT: SEP
QUAD/UNIT: J SEC: 9 TWP: 29N RNG: 8W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1460'S/1620'E NWSE CONTRACTOR: FLINT

DATE STARTED: 3/26/01
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 18 FT. x 15 FT. x 4 FT. DEEP. CUBIC YARDAGE: 20
DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMED
LAND USE: RANGE LEASE: SF 078415 FORMATION: PC/MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 152 FT. 539W FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

CHECK ONE:
✓ PIT ABANDONED
___ STEEL TANK INSTALLED
___ FIBERGLASS TANK INSTALLED

OVM CALIB. READ. 53.0 ppm
TIME: 0750 am/pm 3/26/01

SOIL AND EXCAVATION DESCRIPTION:

SIDEWALLS - TOP HALF - DK. YELL. ORANGE SAND, BOTTOM HALF - PALE YELL. BROWN BEDROCK (SANDSTONE), COLLECTED SAMPLES FROM TOP OF BEDROCK - FRIABLE, HARD, NO APPARENT STAINING OR DISCOLORATION OBSERVED OR HC ODOR DETECTED WITHIN EXCAVATION OR OVM SAMPLES.

BOTTOM - BEDROCK (SANDSTONE), VERY HARD, MED. TO MED. DK. GRAY, HC ODOR DETECTED WITHIN OVM SAMPLE.

BEDROCK BOTTOM (55)

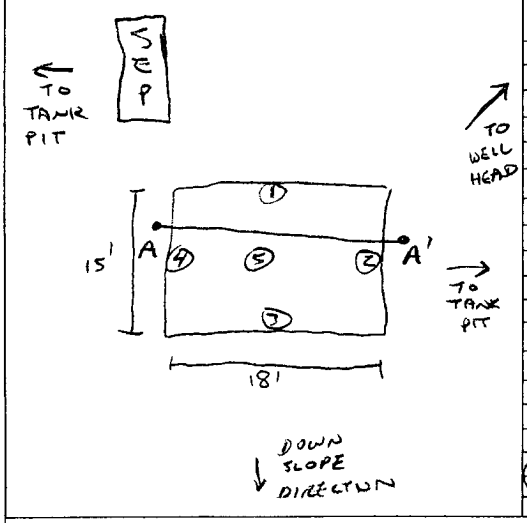
CLOSED

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0845							

SCALE
0 FT

PIT PERIMETER



OVM RESULTS

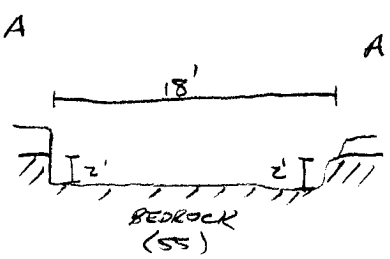
SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 2'	1.8
2 @ 2'	1.5
3 @ 2'	0.5
4 @ 2'	10.2
5 @ 4'	133.1

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
⑤ @ 4'	TPH (8015)	0845
"	BTEX (8021)	"

BOTH PASSED

PIT PROFILE



TRAVEL NOTES: CALLOUT: 3/23/01 - AFTER. ONSITE: 3/26/01 - MORN.

revised: 03/12/01 bei1005.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:	5 @ 4'	Date Reported:	03-27-01
Laboratory Number:	19448	Date Sampled:	03-26-01
Chain of Custody No:	8291	Date Received:	03-26-01
Sample Matrix:	Soil	Date Extracted:	03-27-01
Preservative:	Cool	Date Analyzed:	03-27-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**150**	**0.2**
Diesel Range (C10 - C28)	**737**	**0.1**
Total Petroleum Hydrocarbons	**887**	**0.1**

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: **Roelofs A #3A Separator Pit.**

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:	5 @ 4'	Date Reported:	03-27-01
Laboratory Number:	19448	Date Sampled:	03-26-01
Chain of Custody:	8291	Date Received:	03-26-01
Sample Matrix:	Soil	Date Analyzed:	03-27-01
Preservative:	Cool	Date Extracted:	03-27-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**363**	**1.8**
Toluene	**750**	**1.7**
Ethylbenzene	**323**	**1.5**
p,m-Xylene	**1,500**	**2.2**
o-Xylene	**710**	**1.0**
Total BTEX	**3,650**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**100 %**
	1,4-difluorobenzene	**100 %**
	Bromochlorobenzene	**100 %**

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: **Roelofs A #3A Separator Pit.**

Analyst

Review

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CLIENT: BP

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

LOCATION NO: 80845
C.O.C. NO: 9889

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: ROELOFS A WELL #: 3A PITS: DEHY/PROD. 40, SEP 20
QUAD/UNIT: J SEC: 9 TWP: 29N RNG: 8W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: NWSE CONTRACTOR: FLINT

DATE STARTED: 4/30/02
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION:
REMEDIATION SYSTEM: LANDFARM
APPROX. CUBIC YARDAGE: 60 (60)
LAND USE: RANGE - BLM
LIFT DEPTH (ft): 0.5-1.0

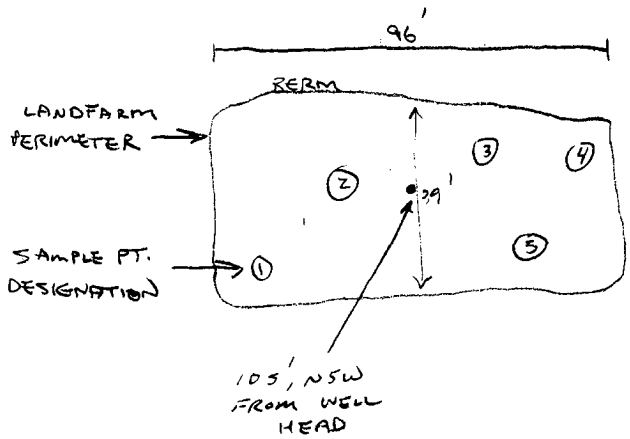
FIELD NOTES & REMARKS:
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

SOIL TYPE: SAND / (SILTY SAND) / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER SANDSTONE FRAGMENTS
SOIL COLOR:
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 (CLOSED)
DISCOLORATION/STAINING OBSERVED: (YES) / NO EXPLANATION - ON LANDFARM SURFACE THRU OUT
HC ODOR DETECTED: (YES) / NO EXPLANATION - VERY SLIGHT (HEAVY HC)
SAMPLING DEPTHS (LANDFARMS): 4-12 (INCHES)
SAMPLE TYPE: GRAB / (COMPOSITE) - # OF PTS. 5
ADDITIONAL COMMENTS:

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS



OVM CALIB. READ. 52.6 ppm
OVM CALIB. GAS = 100 ppm; RF = 0.52
TIME: 8:30 (am) pm DATE: 4/29/02

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
LF-1	4.5

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	TPH (8015B)	0940	ND

P.C. 3/28/01

SCALE
0 FT

TRAVEL NOTES: CALLOUT: N/A ONSITE: 4/30/02

revised: 07/16/01

bei1006A.skd

3004522360 NMSF078415

CLIENT: BP

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

LOCATION NO: 80845
C.O.C. NO: 10424

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: ROELOFS A WELL #: 3A PITS:
QUAD/UNIT: J SEC: 9 TWP: 29N RNG: 8W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: CONTRACTOR: FLINT (JODY)

DATE STARTED: 11-12-02
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: JCB

SOIL REMEDIATION:
REMEDIATION SYSTEM: LF
LAND USE: RANGE
APPROX. CUBIC YARDAGE: 100 ±
LIFT DEPTH (ft): 1.0

FIELD NOTES & REMARKS: NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM
DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000

SOIL TYPE: SAND / (SILTY SAND) / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER
SOIL COLOR: YELLOW 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 / H2O SATURATED
DISCOLORATION/STAINING OBSERVED: (YES) / NO EXPLANATION - V. MINOR
HC ODOR DETECTED: YES / (NO) EXPLANATION -
SAMPLING DEPTHS (LANDFARMS): 8 (INCHES)
SAMPLE TYPE: GRAB / (COMPOSITE) - # OF PTS. 5
ADDITIONAL COMMENTS: LANDFARM MOIST FROM Recent Snow. V. MINOR Discoloration in some sample Points

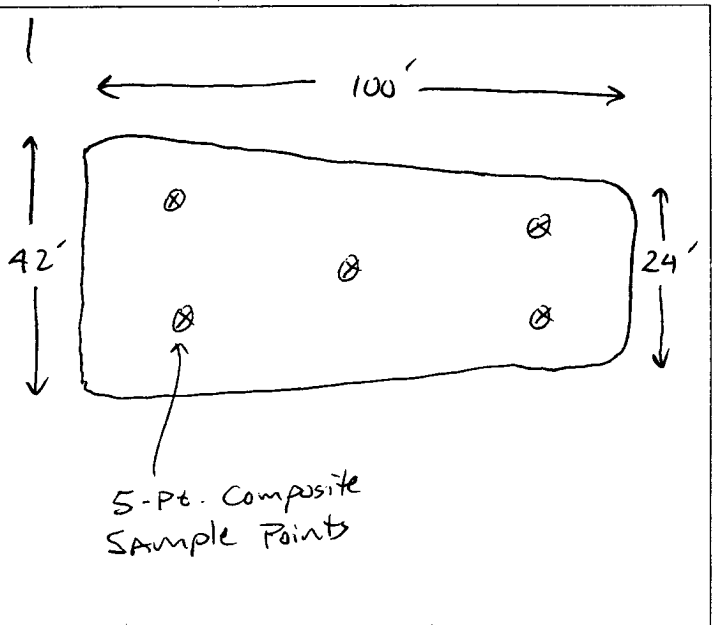
(CLOSED)

FIELD 418.1 CALCULATIONS

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

N ↑

SKETCH/SAMPLE LOCATIONS



CALIB. READ. 130.4 ppm
CALIB. GAS = ~~100~~ 250 ppm; RF = 0.52
1320 am/pm DATE: 11/12/02

OVM RESULTS

SAMP ID	FIELD HEADSPACE PID (ppm)
5-pt	ND

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
5-Pt	TPH	1530	832

SC
0 FT

TRAVEL NOTES: CALLOUT: 11/12/02 1230 ONS 11/12/02 1510

revised: 07/16/01 bei1006A.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:	LF - 1	Date Reported:	05-01-02
Laboratory Number:	22635	Date Sampled:	04-30-02
Chain of Custody No:	9889	Date Received:	04-30-02
Sample Matrix:	Soil	Date Extracted:	04-30-02
Preservative:	Cool	Date Analyzed:	05-01-02
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: **Roelofs A #3A Landfarm 5 Pt. Composite.**

Analyst

Review

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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:	Landfarm 5-Pt. Comp.	Date Reported:	11-13-02
Laboratory Number:	24253	Date Sampled:	11-12-02
Chain of Custody No:	10424	Date Received:	11-13-02
Sample Matrix:	Soil	Date Extracted:	11-13-02
Preservative:	Cool	Date Analyzed:	11-13-02
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)	**832**	**0.1**
Total Petroleum Hydrocarbons	**832**	**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: **Roelofs A 3A.**

Analyst

Review

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