

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-144
March 12, 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: <u>BP AMERICA PROD. CO.</u> Telephone: <u>(505) 326-9200</u>		
Address: <u>200 Energy Court, Farmington, NM 87410</u>		
Facility or well name: <u>FLORANCE AB #31</u>	API #: <u>30-045-08591</u>	U/L or Qtr/Qt: <u>A</u> Sec <u>12</u> T <u>29N</u> R <u>8W</u>
County: <u>San Juan</u> Latitude <u>36.74461</u> Longitude <u>107.62180</u>	NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/> Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>	
Pit Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> BLOW Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness <u> </u> mil Clay <input type="checkbox"/> Volume <u> </u> bbl	Below-grade tank Volume: <u> </u> bbl Type of fluid: <u> </u> Construction material: <u>N/A</u> Double-walled with leak detection? Yes <input type="checkbox"/> 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	(20 points)
	50 feet or more, but less than 100 feet	(10 points) 0
	100 feet or more	(0 points)
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) 0
	1000 feet or more	(0 points)
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: 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.

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: 06/04/04

Printed Name/Title Jeff Blagg - P.E. # 11607

Signature [Signature]

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:

Date: MAR 14 2007

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. 4

Signature [Signature]

RCVD MAR 14 2007
OIL CONS. DIV.
DIST. 3

3004508591

36.74461 x 107.62180

CLIENT:

BP

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

LOCATION NO: 81405

COCR NO: 12237

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: FLORANCE AB WELL #: 31 TYPE: BLOW

DATE STARTED: 6-1-04

DATE FINISHED: 6-1-04

QUAD/UNIT: A SEC: 12 TWP: 29N RNG: 8W PM: NM CNTY: SJ ST: NM

QTR/FOOTAGE: 890N/890E NE/NE CONTRACTOR: HD (JUAQUA)

ENVIRONMENTAL SPECIALIST: JCB

EXCAVATION APPROX. 15 FT. x 15 FT. x 2 FT. DEEP. CUBIC YARDAGE: 25

DISPOSAL FACILITY: ONSITE

REMEDATION METHOD: LF

LAND USE: RANGE - BLM

LEASE: SF 078596 A

FORMATION: MV

FIELD NOTES & REMARKS:

PIT LOCATED APPROXIMATELY 87 FT. S30W 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. = 52.8 ppm

OVM CALIB. GAS = 100 ppm

RF = 0.52

TIME: 0925 am/pm DATE: 6-1-04

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER

SOIL COLOR: ORANGE 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 - GRAY ON PIT BASE

HC ODOR DETECTED: YES / NO EXPLANATION - STRONG

SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS.

ADDITIONAL COMMENTS: 15' x 15' x 5' DEEP EXCAVATION PIT. EXCAVATE TO FIRM

BEDROCK
BOTTOM

BEDROCK @ 8' BELOW GRADE

CLOSED

SCALE

0 1 FT

FIELD 418.1 CALCULATIONS

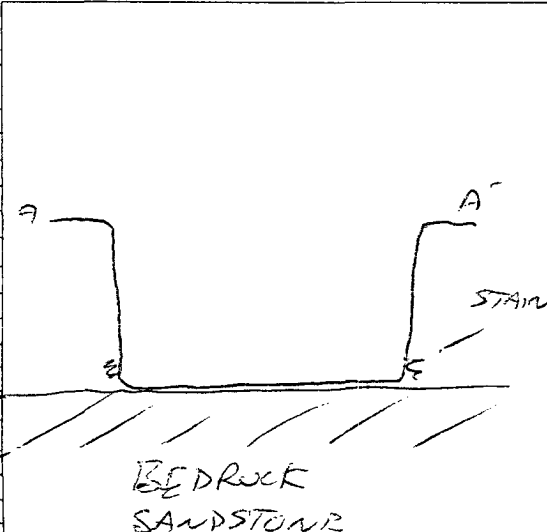
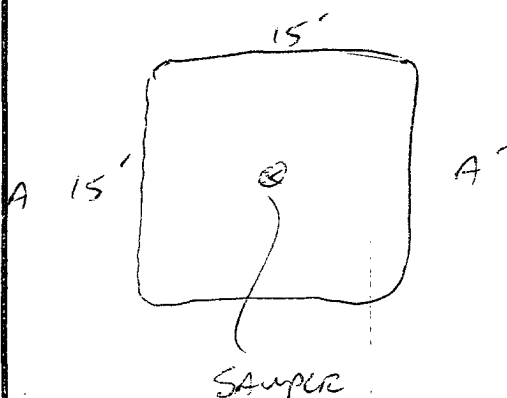
SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

PIT PERIMETER**PIT PROFILE****OVM READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 6'	244
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
124	TAH	1055
	BTEX	
	CL	
	ALL PASSED	



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

TRAVEL NOTES:

CALLOUT: 6/1/04 0830 ONSITE: 6/1/04 1030

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

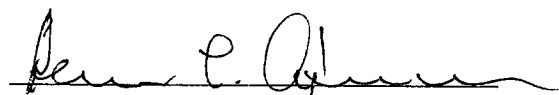
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 8'	Date Reported:	06-04-04
Laboratory Number:	28898	Date Sampled:	06-01-04
Chain of Custody No:	12237	Date Received:	06-02-04
Sample Matrix:	Soil	Date Extracted:	06-02-04
Preservative:	Cool	Date Analyzed:	06-04-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

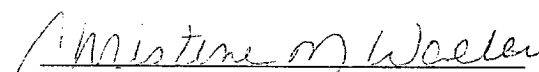
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,460	0.2
Diesel Range (C10 - C28)	2,020	0.1
Total Petroleum Hydrocarbons	3,480	0.2

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: **Florance AB #31 Blow Pit.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 8'	Date Reported:	06-04-04
Laboratory Number:	28898	Date Sampled:	06-01-04
Chain of Custody:	12237	Date Received:	06-02-04
Sample Matrix:	Soil	Date Analyzed:	06-04-04
Preservative:	Cool	Date Extracted:	06-02-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	449	1.8
Toluene	2,090	1.7
Ethylbenzene	849	1.5
p,m-Xylene	1,610	2.2
o-Xylene	1,500	1.0
Total BTEX	6,500	

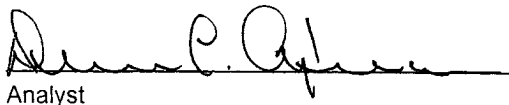
ND - Parameter not detected at the stated detection limit.

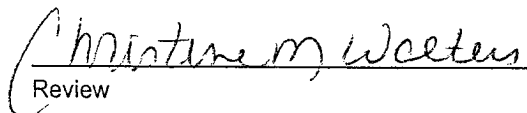
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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: Florance AB #31 Blow Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Total Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 8'	Date Reported:	06-02-04
Lab ID#:	28898	Date Sampled:	06-01-04
Sample Matrix:	Soil	Date Received:	06-02-04
Preservative:	Cool	Date Analyzed:	06-02-04
Condition:	Cool and Intact	Chain of Custody:	12237

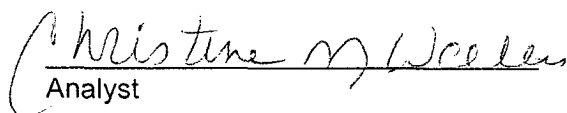
Parameter	Concentration (mg/Kg)
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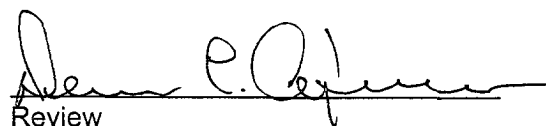
Total Chloride

104

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Florance AB #31 Blow Pit.


Analyst


Review

30-045-08591

36.74461 x 107.62180

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>81405</u> C.O.C. NO: <u>13026</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>FLORANCE AB</u> WELL #: <u>31</u> PITS: <u>BLow</u>	DATE STARTED: <u>6-1-04</u>
QUAD/UNIT: <u>A</u> SEC: <u>12</u> TWP: <u>29N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	DATE FINISHED: <u>9-27-04</u>
QTR/FOOTAGE: <u>NE/NE</u> CONTRACTOR: <u>LAL</u>	ENVIRONMENTAL SPECIALIST: <u>JCB</u>

SOIL REMEDIATION: SF-078596A
 REMEDIATION SYSTEM: LF APPROX. CUBIC YARDAGE: 25 ±
 LAND USE: RANGE LIFT DEPTH (ft): 6"-12"

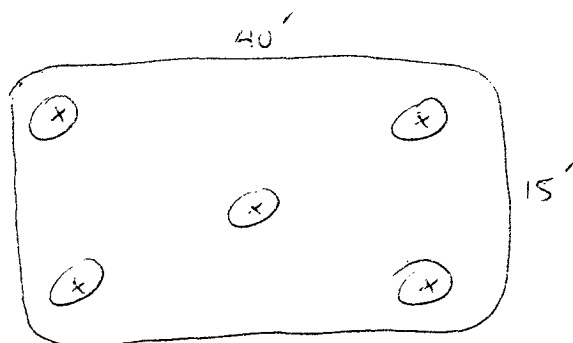
FIELD NOTES & REMARKS:	NMCD RANKING SCORE: <u>0</u>	NMCD TPH CLOSURE STD: <u>5000</u> PPM
DEPTH TO GROUNDWATER: <u>>100</u>	NEAREST WATER SOURCE: <u>>100</u>	NEAREST SURFACE WATER: <u>>1000</u>

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 / SUPER SATURATED
 DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - CLOSED
 HC ODOR DETECTED: YES / NO EXPLANATION - MIXED
 SAMPLING DEPTHS (LANDFARMS): 6 (INCHES)
 SAMPLE TYPE: GRAB COMPOSITE # OF PTS. 5
 ADDITIONAL COMMENTS: 40' x 15' x 6"/12" THICK L.F.
SOME Sandstone chunks in L.F.

FIELD 418.1 CALCULATIONS

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

↑
N SKETCH/SAMPLE LOCATIONS



OVM CALIB. READ. 52.6 ppm
 OVM CALIB. GAS = 100 ppm; RF = 0.52
 TIME: 1345 am/pm DATE: 9/27

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
5-Ps.	2.9	5-Pe	TPH	1320	317

SCALE



0 FT

TRAVEL NOTES: CALLOUT: 9-27-04 NOON ONSITE: 9-27-04 1300

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / BP
Sample ID: 5 Pt. Comp
Laboratory Number: 30649
Chain of Custody No: 13026
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

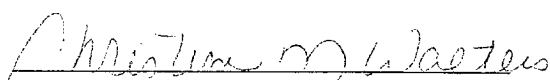
Project #: 94034-010
Date Reported: 09-29-04
Date Sampled: 09-27-04
Date Received: 09-27-04
Date Extracted: 09-27-04
Date Analyzed: 09-28-04
Analysis Requested: 8015 TPH

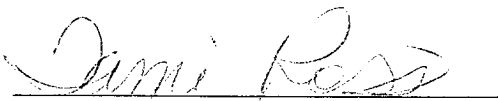
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	317	0.1
Total Petroleum Hydrocarbons	317	0.2

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: **Florance AB 31 Landfarm.**


Analyst


Review