

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

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: <u>BP AMERICA PROD. CO.</u> Telephone: <u>(505)-326-9200</u> e-mail address: _____		
Address: <u>200 ENERGY COURT, FARMINGTON, NM 87410</u>		
Facility or well name: <u>HEATH GC E #1A</u> API #: <u>30-045- 22662</u> U/L or Qtr/Qtr <u>J</u> Sec <u>8</u> T <u>29N</u> R <u>9W</u>		
County: <u>SAN JUAN</u> Latitude <u>36.73734</u> Longitude <u>107.79891</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"/>		
RCVD APR5'07		
Pit Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> SEPARATOR Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> STEEL TANK Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: <u>N/A</u> Double-walled, with leak detection? Yes <input checked="" type="checkbox"/> If not, explain why not: _____	OIL CONS. 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 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) 0 (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 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 (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: (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: <u>PIT LOCATED APPROXIMATELY 114 FT. N10W FROM WELL HEAD.</u>
<u>PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.</u>
<u>PIT REMEDIATION: CLOSE AS IS: <input checked="" type="checkbox"/> LANDFARM: <input type="checkbox"/> COMPOST: <input type="checkbox"/> STOCKPILE: <input type="checkbox"/> OTHER <input type="checkbox"/> (explain)</u>
Cubic yards: <u>N/A</u>

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 alternative OCD-approved plan ☒.

Date: 09/19/06

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: Deputy Oil & Gas Inspector,
District #3
Printed Name/Title _____ Signature [Signature] Date: AUG 06 2007

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

LOCATION NO. 80993

COCR NO: 1443
FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: HEATH GC E WELL # 1A TYPE: SEP

DATE STARTED 9-12-06

QUAD/UNIT J SEC: 8 TWP. 29N RING: 9W PM: NM CNTY: SJ ST: NM

DATE FINISHED 9-12-06

QTR/FOOTAGE: 1830 FSL x 1695 FEL ^{NW 1/4} CONTRACTOR: HDI

ENVIRONMENTAL SPECIALIST JCB

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: 0

DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS IS

LAND USE: RANGE-BLM LEASE: NM 073269 FORMATION: MV
FIELD NOTES & REMARKS:

PIT LOCATED APPROXIMATELY 114 FT. N 10 W FROM WELLHEAD

DEPTH TO GROUNDWATER: >50 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000

NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 53.6 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 0915 am/pm DATE 9/12/06

SOIL TYPE: SAND (SILTY SAND) SILT / SILTY CLAY / CLAY / GRAVEL / (OTHER) Cobbles @ 7'

SOIL COLOR: 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 5

ADDITIONAL COMMENTS:

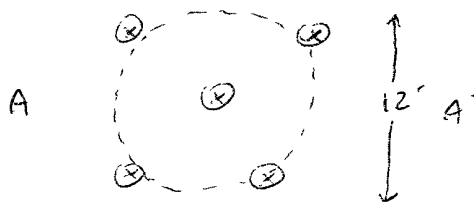
12' DIA x 5' TALL Steel Pit tank set Flush Grade,
WITH PVC Plastic liner & leak detection. No Evidence of leak. USE
BACKHOE TO Pull tank & SAMPLE
SCALE


0

FT

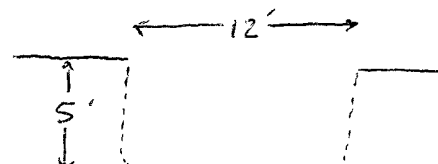

PIT PERIMETER

1


TO
WELL

FIELD 418.1 CALCULATIONS

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

PIT PROFILE

PVC LINER
w/ 4" PVC
leak detection

**OVM
READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
5-PE @ B	0.9

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
5-PE	T/B/C/L	1335

(PASTED)

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

TRAVEL NOTES:

CALLOUT: _____ ONSITE: 9/12/06

ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

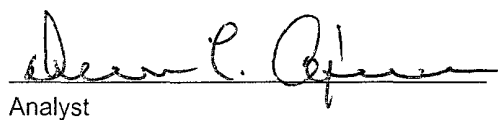
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5 - Pt @ 8'	Date Reported:	09-14-06
Laboratory Number:	38432	Date Sampled:	09-12-06
Chain of Custody No:	1443	Date Received:	09-13-06
Sample Matrix:	Soil	Date Extracted:	09-13-06
Preservative:	Cool	Date Analyzed:	09-14-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

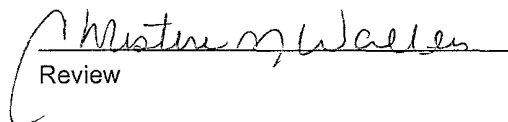
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.9	0.2
Diesel Range (C10 - C28)	113	0.1
Total Petroleum Hydrocarbons	114	0.2

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: **Heath GC E #1A Sep**


Analyst


Review

ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5 - Pt @ 8'	Date Reported:	09-14-06
Laboratory Number:	38432	Date Sampled:	09-12-06
Chain of Custody:	1443	Date Received:	09-13-06
Sample Matrix:	Soil	Date Analyzed:	09-14-06
Preservative:	Cool	Date Extracted:	09-13-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	3.1	1.8
Toluene	4.7	1.7
Ethylbenzene	2.6	1.5
p,m-Xylene	48.7	2.2
o-Xylene	2.8	1.0
Total BTEX	61.9	

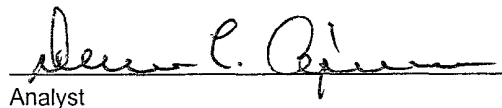
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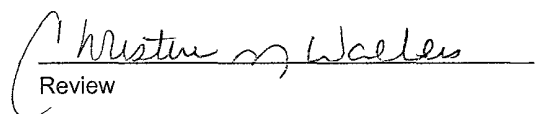
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Heath GC E #1A Sep


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5 - Pt @ 8'	Date Reported:	09-14-06
Lab ID#:	38432	Date Sampled:	09-12-06
Sample Matrix:	Soil	Date Received:	09-13-06
Preservative:	Cool	Date Analyzed:	09-14-06
Condition:	Cool and Intact	Chain of Custody:	1443

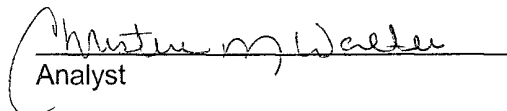
Parameter	Concentration (mg/Kg)
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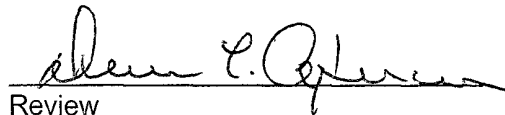
Total Chloride

94.0

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

Comments: Heath GC E #1A Sep


Analyst


Review

1443

san juan reproduction 578-129

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:	09-14-06 QA/QC	Date Reported:	09-14-06
Laboratory Number:	38432	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-14-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	07-11-05	1.0050E+003	1.0060E+003	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	1.0057E+003	1.0077E+003	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	0.9	0.9	0.0%	0 - 30%
Diesel Range C10 - C28	113	112	0.6%	0 - 30%

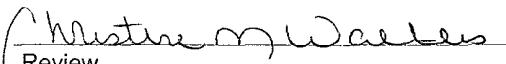
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	0.9	250	250	99.8%	75 - 125%
Diesel Range C10 - C28	113	250	362	99.9%	75 - 125%

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 Sample 38432


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	09-14-BTEX QA/QC	Date Reported:	09-14-06
Laboratory Number:	38432	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-14-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept: Range 0 - 15%			
Benzene	6.1233E+007	6.1356E+007	0.2%	ND	0.2
Toluene	8.3950E+007	8.4118E+007	0.2%	ND	0.2
Ethylbenzene	3.5057E+007	3.5128E+007	0.2%	ND	0.2
p,m-Xylene	1.4548E+008	1.4577E+008	0.2%	ND	0.2
o-Xylene	7.6890E+007	7.7044E+007	0.2%	ND	0.1

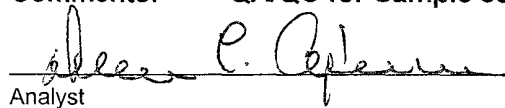
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	3.1	3.0	3.2%	0 - 30%	1.8
Toluene	4.7	4.6	2.1%	0 - 30%	1.7
Ethylbenzene	2.6	2.6	0.0%	0 - 30%	1.5
p,m-Xylene	48.7	48.6	0.2%	0 - 30%	2.2
o-Xylene	2.8	2.8	0.0%	0 - 30%	1.0

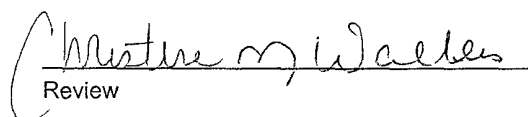
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	3.1	50.0	53.1	100.0%	39 - 150
Toluene	4.7	50.0	54.6	99.8%	46 - 148
Ethylbenzene	2.6	50.0	52.5	99.8%	32 - 160
p,m-Xylene	48.7	100	148	99.8%	46 - 148
o-Xylene	2.8	50.0	52.8	100.0%	46 - 148

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 38432


Analyst


Review