

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: BP AMERICA PROD. CO. Telephone: (505)-326-9200 e-mail address: _____
Address: 200 ENERGY COURT, FARMINGTON, NM 87410
Facility or well name: ROELOFS #3E API #: 30-045- 25009 U/L or Qtr/Qtr P Sec 9 T 29N R 8W
County: SAN JUAN Latitude 36.73558 Longitude 107.67467 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit
Type: Drilling ☐ Production ☐ Disposal ☒ DEHYDRATOR
Workover ☐ Emergency ☐
Lined ☒ Unlined ☐ STEEL TANK
Liner type: Synthetic ☐ Thickness _____ mil Clay ☐
Pit Volume _____ bbl

Below-grade tank
Volume: _____ bbl Type of fluid: _____
Construction material: N/A
Double-walled, with leak detection? Yes ☐ If not, explain why not
**RCVD APR 5 '07
OIL CONS. DIV.**

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

Less than 50 feet	(20 points)	DIST. 3
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)	0
No	(0 points)	

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
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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 PIT LOCATED APPROXIMATELY 81 FT. N69W FROM WELL HEAD.

PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.

PIT REMEDIATION: CLOSE AS IS: ☒ LANDFARM: ☐ COMPOST: ☐ STOCKPILE: ☐ OTHER ☐ (explain)

Cubic yards: N/A

BEDROCK BOTTOM.

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: 11/6/06

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

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 _____

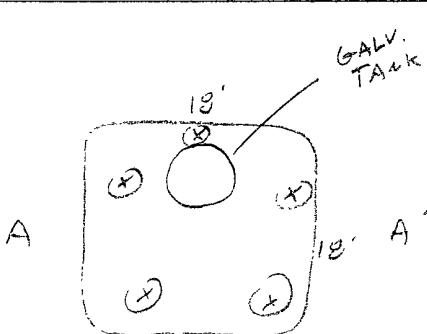
Signature Brand Bell

Date: AUG 02 2007

CLIENT: BP
BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199
LOCATION NO: B0844COCR NO: 1642**FIELD REPORT: PIT CLOSURE VERIFICATION**PAGE No: 1 of 1
LOCATION: NAME: ROELOFFS WELL # 3E TYPE: DEHY
QUAD/UNIT P SEC: 9 TWP: 29N RNG: 31W PM: NM CNTY: SD ST: NM
QTR/FOOTAGE: 1050FSL * 1050FEL SESE CONTRACTOR: P+S (TERRASO)
DATE STARTED 10-30-06
DATE FINISHED: 10-30-06ENVIRONMENTAL SPECIALIST: JCCEXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: NADISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSURELAND USE: Residential LEASE: SF078415 FORMATION: DKFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 81 FT. N69W FROM WELLHEAD.DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM**SOIL AND EXCAVATION DESCRIPTION:**
OVM CALIB. READ. = 530 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 1300 am/pm DATE 10-30-06
SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER Silty sand 0-6'
SOIL COLOR: TANCOHESION (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: NOHC ODOR DETECTED: YES / NO EXPLANATION: NOSAMPLE TYPE GRAB / COMPOSITE # OF PTS. 5ADDITIONAL COMMENTS: 18' x 18' x 3'± Deep Pit with 40 Gallon GALVANIZED STEEL TANK REMOVED TANK - SAMPLE WITH BACKHOE.
BEDROCK BOTTOM**FIELD 418.1 CALCULATIONS****SCALE**

0 FT

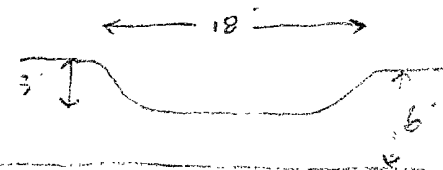
SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

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

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
5-25	114
5-25	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
5-25	T-B-C	1255

PASSEDSILTSTONEP.D. = PIT DEPRESSION, B.G. = BELOW GRADE; B = BELOW
T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM**TRAVEL NOTES.**CALLOUT: _____ ONSITE: 10-30-06

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

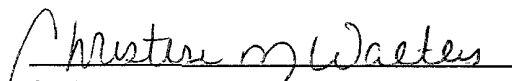
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5 - Point @ 6'	Date Reported:	11-03-06
Laboratory Number:	38989	Date Sampled:	10-30-06
Chain of Custody No:	1642	Date Received:	10-31-06
Sample Matrix:	Soil	Date Extracted:	11-01-06
Preservative:	Cool	Date Analyzed:	11-02-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	5.6	0.2
Diesel Range (C10 - C28)	14.8	0.1
Total Petroleum Hydrocarbons	20.4	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 #3E Dehy.


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 - Point @ 6'	Date Reported:	11-03-06
Laboratory Number:	38989	Date Sampled:	10-30-06
Chain of Custody:	1642	Date Received:	10-31-06
Sample Matrix:	Soil	Date Analyzed:	11-02-06
Preservative:	Cool	Date Extracted:	11-01-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	16.3	1.7
Ethylbenzene	5.6	1.5
p,m-Xylene	119	2.2
o-Xylene	31.3	1.0
Total BTEX	172	

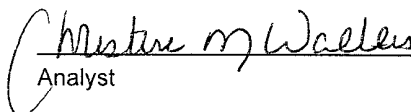
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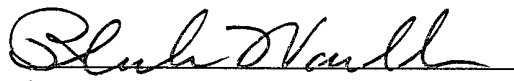
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Roelofs #3E Dehy.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5 - Point @ 6'	Date Reported:	11-02-06
Lab ID#:	38989	Date Sampled:	10-30-06
Sample Matrix:	Soil	Date Received:	10-31-06
Preservative:	Cool	Date Analyzed:	11-02-06
Condition:	Cool and Intact	Chain of Custody:	1642

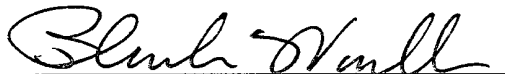
Parameter	Concentration (mg/Kg)
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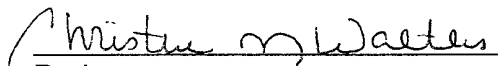
Total Chloride

28.0

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

Comments: Roelofs #3E Dehy.


Analyst


Review

1642

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:	11-02-06 QA/QC	Date Reported:	11-03-06
Laboratory Number	38985	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received	N/A
Preservative:	N/A	Date Analyzed:	11-02-06
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	1.6200E+003	1.6216E+003	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	1.3298E+003	1.3325E+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

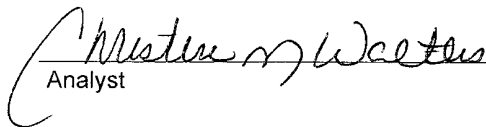
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	2.3	2.3	0.0%	0 - 30%

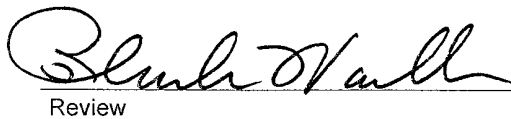
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	2.3	250	251	99.6%	75 - 125%

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 38985 - 38989 and 39012 - 39014.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #	N/A
Sample ID:	11-02-BTEX QA/QC	Date Reported:	11-03-06
Laboratory Number:	38985	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-02-06
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	4 3404E+007	4 3491E+007	0.2%	ND	0.2
Toluene	5.6963E+007	5 7077E+007	0.2%	ND	0.2
Ethylbenzene	2 6434E+007	2 6487E+007	0.2%	ND	0.2
p,m-Xylene	1 0438E+008	1 0459E+008	0.2%	ND	0.2
o-Xylene	4 5793E+007	4 5884E+007	0.2%	ND	0.1

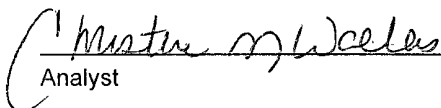
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	7.0	6.9	1.4%	0 - 30%	1.7
Ethylbenzene	1.6	1.6	0.0%	0 - 30%	1.5
p,m-Xylene	4.6	4.4	4.3%	0 - 30%	2.2
o-Xylene	ND	ND	0.0%	0 - 30%	1.0

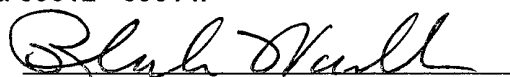
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100.0%	39 - 150
Toluene	7.0	50.0	56.9	99.8%	46 - 148
Ethylbenzene	1.6	50.0	51.4	99.6%	32 - 160
p,m-Xylene	4.6	100	104	99.0%	46 - 148
o-Xylene	ND	50.0	49.9	99.8%	46 - 148

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 Samples 38985 - 38989 and 39012 - 39014.


 Analyst


 Review