

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 PROD. CO. Telephone: (505)-326-9200 e-mail address: _____
Address: 200 ENERGY COURT, FARMINGTON, NM 87410
Facility or well name: HUGHES A #4 API #: 30-045-23517 U/L or Qtr/Qtr B Sec 34 T 29N R 8W
County: SAN JUAN Latitude 36.68720 Longitude 107.66006 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank	
Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> PROD. TANK Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Volume: _____ bbl Type of fluid: _____ Construction material: <u>N/A</u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. _____	RCVD APR 5 '07 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 PIT LOCATED APPROXIMATELY 147 FT. N40W 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. STEEL TANK TO BE REPLACED.

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: 04/13/06

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 _____

Date: AUG 06 2007

CLIENT:

BP

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

LOCATION NO: B1765

COCR NO: 14620

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: HUGHES A WELL #: 4 TYPE: PROD. TANK

DATE STARTED 4/7/06

QUAD/UNIT: B SEC: 34 TWP: 29N RNG: 8W PM: NM CNTY: ST: NM

DATE FINISHED:

QTR/FOOTAGE: 890' N / 1450' E MINE CONTRACTOR: P+S (TRINNY)

ENVIRONMENTAL SPECIALIST: NV

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

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS IS

LAND USE: RANGE - BLM LEASE: SF 078049 FORMATION: DR

FIELD NOTES & REMARKS:

PIT LOCATED APPROXIMATELY 147 FT. N40W FROM WELLHEAD.

DEPTH TO GROUNDWATER >100' NEAREST WATER SOURCE >1,000' NEAREST SURFACE WATER >1,000'

NMOCD RANKING SCORE 0 NMOCD TPH CLOSURE STD 5,000 PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 54.3 ppm

OVM CALIB. GAS = 100 ppm

RF = 0.52

TIME: 10:50 am DATE: 4/7/06

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE)

SOIL COLOR: GRAYISH ORANGE TO DK. YELL. BROWN BEDROCK - OLIVE 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

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - OLIVE GRAY IN BEDROCK BETWEEN 4-6' BELOW

HC ODOR DETECTED: YES / NO EXPLANATION - BEDROCK PORTION + OVM TANK GRADE.

SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. 1

ADDITIONAL COMMENTS: COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - VERY HARD, COMPETENT. STEEL TANK TO BE INSTALLED.

SCALE

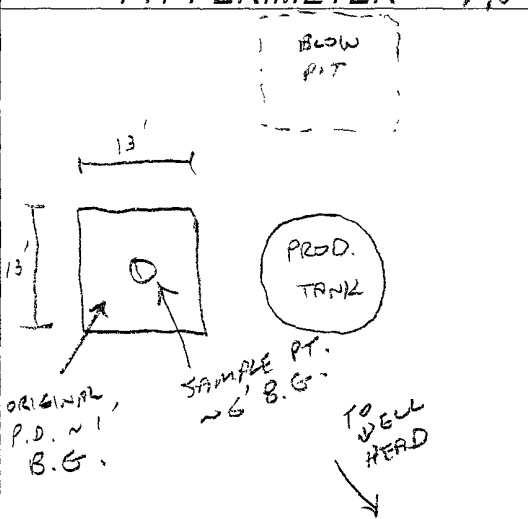
0 FT

FIELD 418.1 CALCULATIONS

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

PIT PERIMETER

N

PIT PROFILE**OVM READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 6'	423
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 DEG	TPH (90153)	1035
"	BTX (80218)	"
	PASSED	

NOT APPLICABLE

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

TRAVEL NOTES:

CALLOUT: 4/7/06 - MORN. ONSITE: 4/7/06 - MORN.

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 @ 6'	Date Reported:	04-11-06
Laboratory Number:	36727	Date Sampled:	04-07-06
Chain of Custody No:	14620	Date Received:	04-07-06
Sample Matrix:	Soil	Date Extracted:	04-10-06
Preservative:	Cool	Date Analyzed:	04-11-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

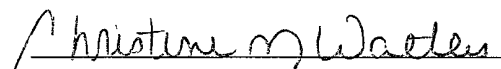
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	513	0.2
Diesel Range (C10 - C28)	284	0.1
Total Petroleum Hydrocarbons	797	0.2

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: **Hughes A #4 Production Tank Pit Grab Sample.**


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 @ 6'	Date Reported:	04-11-06
Laboratory Number:	36727	Date Sampled:	04-07-06
Chain of Custody:	14620	Date Received:	04-07-06
Sample Matrix:	Soil	Date Analyzed:	04-11-06
Preservative:	Cool	Date Extracted:	04-10-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	10.0	1.8
Toluene	801	1.7
Ethylbenzene	1,070	1.5
p,m-Xylene	9,480	2.2
o-Xylene	3,130	1.0
Total BTEX	14,490	

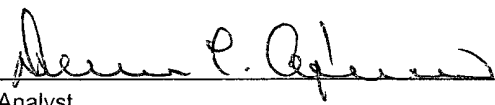
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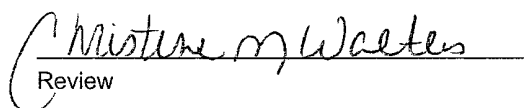
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Hughes A #4 Production Tank Pit Grab Sample.


Analyst


Review

CHAIN OF CUSTODY RECORD

14620

Client / Project Name <i>BLAGE / BP</i>			Project Location <i>HUGHES A #4</i>		ANALYSIS / PARAMETERS									
Sampler: <i>NV</i>			Client No. <i>94034-010</i>		No. of Containers	TPH <i>(3015B)</i>	BTEX <i>(3021B)</i>					Remarks		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								PRESERVED COOL GRAB SAMPLES		
<i>DE 6.5'</i>	<i>4/7/06</i>	<i>1040</i>	<i>36726</i>	<i>SOIL</i>	<i>1</i>	<i>✓</i>						<i>BLOW PIT</i>		
<i>DE 6'</i>	<i>4/7/06</i>	<i>1035</i>	<i>36727</i>	<i>SOIL</i>	<i>1</i>	<i>✓</i>	<i>✓</i>					<i>PRODUCTION TANK PIT</i>		
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>4/7/06</i>	Time <i>1322</i>	Received by: (Signature) <i>[Signature]</i>			Date <i>4/7/06</i>	Time <i>1322</i>					
Relinquished by: (Signature) <i>[Signature]</i>					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	<i>✓</i>		
											Cool - Ice/Blue Ice	<i>✓</i>		

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	04-11-06 QA/QC	Date Reported:	04-11-06
Laboratory Number:	36725	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-11-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	02-04-05	9.9816E+002	9.9916E+002	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	9.9425E+002	9.9625E+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

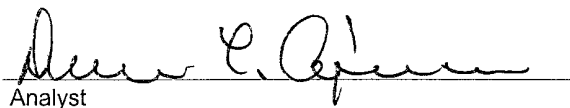
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

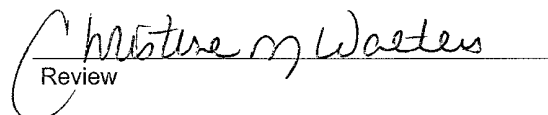
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

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 36725 - 36731.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	04-11-BTEX QA/QC	Date Reported:	04-11-06
Laboratory Number:	36727	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-11-06
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	7.7839E+007	7.7995E+007	0.2%	ND	0.2
Toluene	7.9555E+007	7.9715E+007	0.2%	ND	0.2
Ethylbenzene	5.3656E+007	5.3764E+007	0.2%	ND	0.2
p,m-Xylene	1.4535E+008	1.4564E+008	0.2%	ND	0.2
o-Xylene	6.4768E+007	6.4898E+007	0.2%	ND	0.1

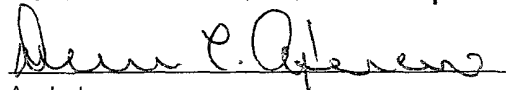
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	10.0	10.0	0.0%	0 - 30%	1.8
Toluene	801	800	0.1%	0 - 30%	1.7
Ethylbenzene	1,070	1,060	0.9%	0 - 30%	1.5
p,m-Xylene	9,480	9,470	0.1%	0 - 30%	2.2
o-Xylene	3,130	3,120	0.3%	0 - 30%	1.0

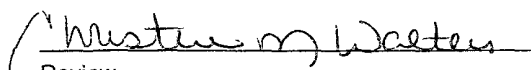
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	10.0	50.0	59.9	99.8%	39 - 150
Toluene	801	50.0	849	99.8%	46 - 148
Ethylbenzene	1,070	50.0	1,110	99.1%	32 - 160
p,m-Xylene	9,480	100	9,550	99.7%	46 - 148
o-Xylene	3,130	50.0	3,160	99.4%	46 - 148

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 36727 - 36733.


Analyst


Review