

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
20 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 ☒

RCVD MAR20'07
OIL CONS. DIV.
DIST. 3

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>HUGHES #5</u>	API #: <u>30-045-23824</u>	U.L. or Qtr-Qtr <u>C</u> Sec <u>20</u> T <u>29N</u> R <u>8W</u>
County: <u>San Juan</u> Latitude <u>36.71533</u> Longitude <u>107.70229</u>	NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐	
Pit Type: Drilling ☐ Production ☐ Disposal ☒ SEPARATOR Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type: Synthetic ☐ Thickness <u> </u> mil Clay ☐ 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 ☐ If not, explain why not: <u> </u>	
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) <u>0</u>
	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) <u>0</u>
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) <u>0</u>
	1000 feet or more	(0 points)
Ranking Score (Total Points)		<u>0</u>

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: 04/28/04

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

Signature Jeff 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.

Approval:

Date: MAR 20 2007.

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. 3

Signature B. H. Bell

PAGE 4 OF 4

CLIENT: BP**BLAGG ENGINEERING, INC.**
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 81365COCR NO: 11685**FIELD REPORT: PIT CLOSURE VERIFICATION**PAGE No: 1 of 1LOCATION: NAME: HUGHES WELL #: 5 TYPE: SEP.DATE STARTED: 4/26/04QUAD/UNIT: C SEC. 20 TWP. 29N RNG. 8W PM: NM CNTY: SJ ST: NM

DATE FINISHED:

QTR/FOOTAGE: 965'N/1540'W NE/NW CONTRACTOR: SIERRA (SHAWN)ENVIRONMENTAL
SPECIALIST: NVEXCAVATION APPROX. 18 FT. x 19 FT. x 8.5 FT. DEEP. CUBIC YARDAGE: 100DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMLAND USE: RANGE - BLM LEASE: SF 078046 FORMATION: OKFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 96 FT. NSE 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. = 53.9 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 12:35 am/pm DATE: 4/26/04SOIL TYPE: ~~SAND~~ SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE)SOIL COLOR: LT. GRAY TO BLACK BEDROCK - LT. GRAYCOHESION (ALL OTHERS): ~~NON COHESIVE~~ / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (NON COHESIVE SOILS): LOOSE / ~~FIRM~~ / DENSE / VERY DENSE

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

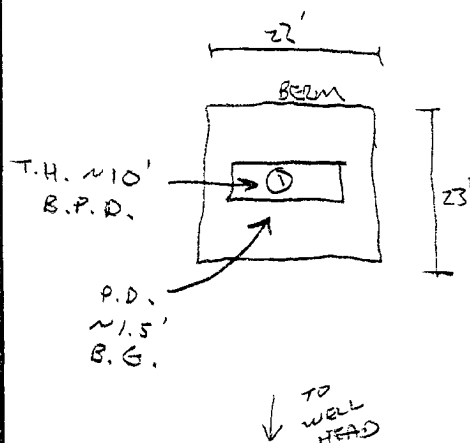
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / ~~SLIGHTLY MOIST~~ / ~~MOIST~~ / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION - ENTIRE TEST HOLE INTERVAL & BEDROCK SURFACE.HC ODOR DETECTED: YES NO EXPLANATION - ENTIRE TEST HOLE & DUM SAMPLESAMPLE TYPE: GRAB COMPOSITE - # OF PTS. —ADDITIONAL COMMENTS: COLLECTED SAMPLE FROM BEDROCK SURFACE. BEDROCK - VERY HARD
BEDROCK BOTTOM COMPETENT. STEEL TANK TO BE INSTALLED IN SAME PIT AREA.**CLOSED****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 @ 11.5	738
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 11.5	TAH (80158)	11/42
"	STEX (80216)	
"	CHLORIDE	
ALL 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: 4/26/04 - MORN. ONSITE: 4/26/04 - MORN. (SCHEDULED)

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

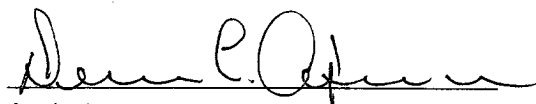
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 11.5'	Date Reported:	04-28-04
Laboratory Number:	28478	Date Sampled:	04-26-04
Chain of Custody No:	11685	Date Received:	04-26-04
Sample Matrix:	Soil	Date Extracted:	04-27-04
Preservative:	Cool	Date Analyzed:	04-28-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

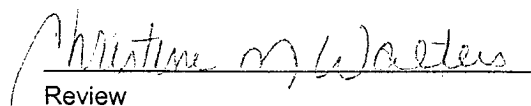
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	699	0.2
Diesel Range (C10 - C28)	180	0.1
Total Petroleum Hydrocarbons	879	0.2

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 #5 Separator 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 @ 11.5'	Date Reported:	04-28-04
Laboratory Number:	28478	Date Sampled:	04-26-04
Chain of Custody:	11685	Date Received:	04-26-04
Sample Matrix:	Soil	Date Analyzed:	04-28-04
Preservative:	Cool	Date Extracted:	04-27-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	82.3	1.8
Toluene	376	1.7
Ethylbenzene	507	1.5
p,m-Xylene	1,640	2.2
o-Xylene	980	1.0
Total BTEX	3,590	

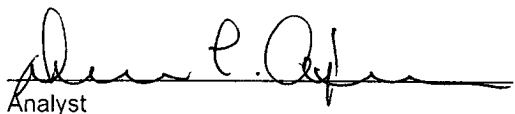
ND - Parameter not detected at the stated detection limit.

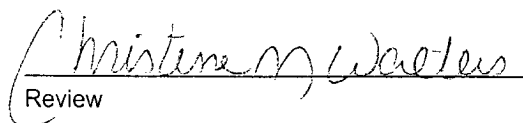
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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 #5 Separator Pit Grab Sample.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Total Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 11.5'	Date Reported:	04-28-04
Lab ID#:	28478	Date Sampled:	04-26-04
Sample Matrix:	Soil Extract	Date Received:	04-26-04
Preservative:	Cool	Date Analyzed:	04-27-04
Condition:	Cool and Intact	Chain of Custody:	11685

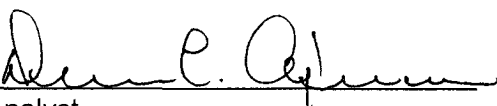
Parameter	Concentration (mg/L)
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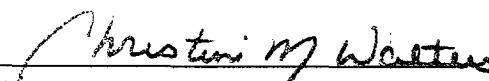
Total Chloride

7.20

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

Comments: Hughes #5 Separator Pit Grab Sample.


Analyst


Review

CLIENT: BPBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 81365C.O.C. NO: 14631

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: HUGHES WELL #: 5 PITS: SEP. DATE STARTED: 5/18/06
QUAD/UNIT: C SEC: 20 TWP: 29N RNG: 8W PM: NM CNTY: SJ ST: NM DATE FINISHED: _____
QTR/FOOTAGE: _____ NE/NW CONTRACTOR: _____ ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION:

100

REMEDICATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: _____

LAND USE: RANGE - BLM

LIFT DEPTH (ft): _____

1-1.5

FIELD NOTES & REMARKS: DEPTH TO GROUNDWATER: >100' NEAREST SURFACE WATER: >1,000'
NEAREST WATER SOURCE: >1,000' NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5,000 PPM

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____SOIL COLOR: DK. YELL. ORANGECOHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

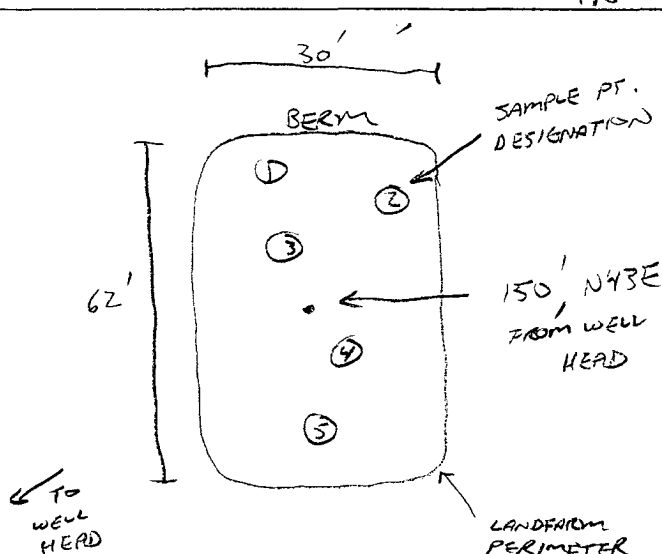
PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDCLOSEDDISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - _____HC ODOR DETECTED: YES / NO EXPLANATION - _____SAMPLING DEPTHS (LANDFARMS): 6-15 (INCHES)SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. 5

ADDITIONAL COMMENTS: _____

SKETCH/SAMPLE LOCATIONS



OVM CALIB. READ. = 53.1 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 10:25 am/pm DATE: 5/18/06

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (80158)	1200	ND

SCALE



0 FT

P.C. - 4/26/04

TRAVEL NOTES: CALLOUT: N/AONSITE: 5/18/06

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

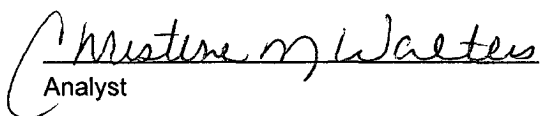
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Hughes #5	Date Reported:	05-19-06
Laboratory Number:	37163	Date Sampled:	05-18-06
Chain of Custody No:	14631	Date Received:	05-18-06
Sample Matrix:	Soil	Date Extracted:	05-19-06
Preservative:	Cool	Date Analyzed:	05-19-06
Condition:	Cool and Intact	Analysis 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: **Hughes Lease Landfarm 5 Pt. Composite Sample.**


Analyst


Review