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
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: BP AMERICA PROD. CO. Telephone: (505) 326-9200

Address: 200 Energy Court, Farmington, NM 87410

Facility or well name: **HUGHES #2M** API #: **30-045-23341** U/L or Qtr/Qtr **G** Sec **21** T **29N** R **8W**

County: San Juan Latitude 36.71166 Longitude 107.67841 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☐ Production ☒ Disposal ☐ SEPARATOR Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type: Synthetic ☐ Thickness ____mil Clay ☐ Volume ____bbl	Volume: ____bbl Type of fluid: Construction material: N/A Double-walled, with leak detection? Yes ☐ 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 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) 0
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 points) 0
	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: 06/12/04

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:

Date: MAR 20 2007

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

3004523341

CLIENT: BP

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

LOCATION NO: B1330
COCR NO: 11821

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: HUGHES WELL #: 2M TYPE: SEP
QUAD/UNIT: G SEC: 21 TWP: 29N RNG: 8W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 2440'N/1770'E SWNE CONTRACTOR: FLINT (BEN)

DATE STARTED: 2-5-04
DATE FINISHED: 2-5-04
ENVIRONMENTAL SPECIALIST: JCB

~~EXCAVATION~~ PIT APPROX. 18 FT. x 15 FT. x 3 FT. DEEP. CUBIC YARDAGE: 40 I
DISPOSAL FACILITY: ONSITE REMEDIATION METHOD: LF
LAND USE: RANGE - BLM LEASE: SF 078046 FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 132 FT. N46°W FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

OVM CALIB. READ. = 51.9 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 1240 am/pm DATE: 2-5-04

SOIL AND EXCAVATION DESCRIPTION:

SOIL TYPE: SAND / SILTY SAND / SILT / (SILTY CLAY) / CLAY / GRAVEL / OTHER
SOIL COLOR: BLACK
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-BLACK 3'-6'; LT GRAY 6'-7'
HC ODOR DETECTED: (YES) / NO EXPLANATION - STRONG
SAMPLE TYPE: (GRAB) COMPOSITE - # OF PTS.
ADDITIONAL COMMENTS: ABANDON ENLARGE SEP PIT. OBVIOUS IMPACTS. USE BACKHOE TO EXCAVATE TO 7' BG

CLOSED

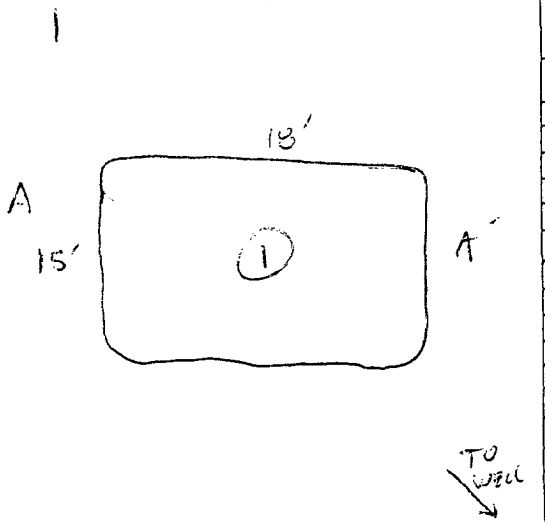
BEDROCK BOTTOM

FIELD 418.1 CALCULATIONS

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

SCALE 0 FT

N PIT PERIMETER



OVM READING

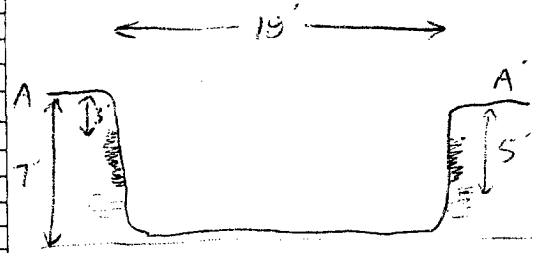
SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 7'	228
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
(1) @ 7'	TPH/BTEX	1207
BOTH PASSED		

TO WELL

PIT PROFILE



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

TRAVEL NOTES: CALLOUT: 2/5/04 0730 ONSITE: 2/5/04 1120

revised: 09/04/02 bei1005C.skf

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 @ 7'	Date Reported:	02-09-04
Laboratory Number:	27797	Date Sampled:	02-05-04
Chain of Custody No:	11821	Date Received:	02-05-04
Sample Matrix:	Soil	Date Extracted:	02-06-04
Preservative:	Cool	Date Analyzed:	02-06-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**83.9**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**83.9**	**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 2M Sep Pit.**

Christine M Walters
Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 7'	Date Reported:	02-06-04
Laboratory Number:	27797	Date Sampled:	02-05-04
Chain of Custody:	11821	Date Received:	02-05-04
Sample Matrix:	Soil	Date Analyzed:	02-06-04
Preservative:	Cool	Date Extracted:	02-06-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**ND**	**1.7**
Ethylbenzene	**179**	**1.5**
p,m-Xylene	**1,480**	**2.2**
o-Xylene	**642**	**1.0**
Total BTEX	**2,300**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**96 %**
	1,4-difluorobenzene	**96 %**
	Bromochlorobenzene	**96 %**

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 2M Sep Pit.**

Christine M Walters
Analyst

Sandra R Jackson
Review

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CLIENT: BP

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

LOCATION NO: B1330
C.O.C. NO: 14548

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: HUGHES WELL #: 2M PITS: SEP.
QUAD/UNIT: G SEC: 21 TWP: 29N RNG: 8W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: SW/NE CONTRACTOR:

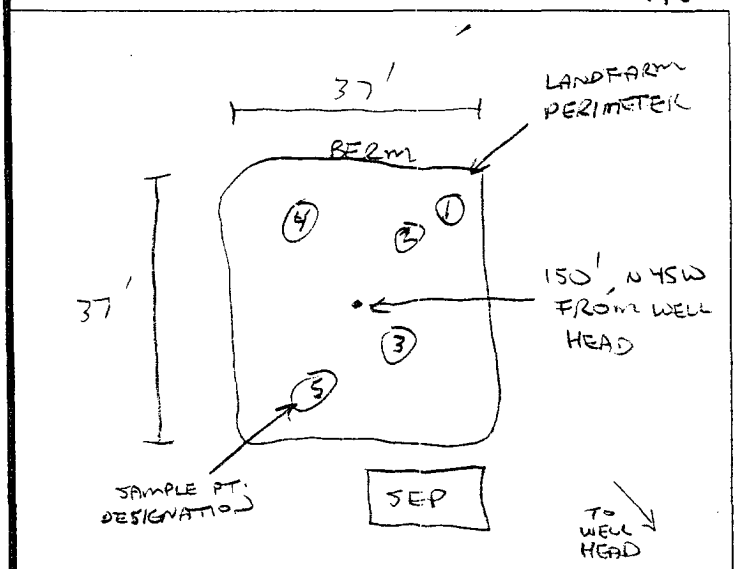
DATE STARTED: 3/28/06
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION:
REMEDIATION SYSTEM: LANDFARM
APPROX. CUBIC YARDAGE: 40
LAND USE: RANGE - BLM
LIFT DEPTH (ft): 0.5

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

SOIL TYPE: (SAND) / (SILTY SAND) / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER
SOIL COLOR: VERY PALE ORANGE TO OLIVE BLACK
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
CLOSED
MOISTURE: DRY / (SLIGHTLY MOIST) / MOIST / WET / SATURATED / SUPER SATURATED
DISCOLORATION/STAINING OBSERVED: (YES) / NO EXPLANATION - OLIVE BLACK IN SAMP. PT. (3) & (5)
HC ODOR DETECTED: (YES) / NO EXPLANATION - SLIGHTLY IN SAMP. PTS. (3) & (5)
SAMPLING DEPTHS (LANDFARMS): 4 - 6 (INCHES)
SAMPLE TYPE: GRAB / (COMPOSITE) # OF PTS. 5
ADDITIONAL COMMENTS:

SKETCH/SAMPLE LOCATIONS



OVM CALIB. READ. = 53.6 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 9:50 (am)/pm DATE: 3/24/06

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE (ppm)
LF-1	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	TPH (8015B)	1430	0.5

SCALE
0 FT

TRAVEL NOTES: CALLOUT: N/A ONSITE: 3/28/06

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:	LF - 1	Date Reported:	03-30-06
Laboratory Number:	36629	Date Sampled:	03-28-06
Chain of Custody No:	14548	Date Received:	03-29-06
Sample Matrix:	Soil	Date Extracted:	03-29-06
Preservative:	Cool	Date Analyzed:	03-30-06
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)	**0.5**	**0.1**
Total Petroleum Hydrocarbons	**0.5**	**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 #2M Landfarm 5 Pt. Composite Sample.**

Analyst

Review

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