

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 Production Company Telephone: (505)326-9200 e-mail address: \_\_\_\_\_  
Address: 200 Energy Ct. Farmington, NM 87401  
Facility or well name: HUGHES C #3 API #: 30045 07764 U/L or Qtr/Qtr M Sec 27 T 29 N R 8 W  
County: San Juan Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ 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"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Volume: _____ bbl Type of fluid: <u>Oil</u> Construction material: <u>Steel</u> Double-walled, with leak detection? Yes <input type="checkbox"/> If no, 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 (20 points) 50 feet or more, but less than 100 feet (10 points) 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)
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) 1000 feet or more (0 points)
Ranking Score (Total Points) _____	

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:

See Attached Documentation

RCVD FEB6'07  
OIL CONS. DIV.  
DIST. 3

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: 11/01/2005

Printed Name/Title Jeffrey C. Blagg, Agent

Signature Jeffrey C. 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:

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

Signature Brenda D. Bell

Date: FEB 06 2007

CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> <b>P.O. BOX 87, BLOOMFIELD, NM 87413</b> <b>(505) 632-1199</b>	LOCATION NO: <u>81291</u> COCR NO: <u>11415</u>
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## FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: <u>HUGHES C</u> WELL #: <u>3</u> TYPE: <u>SEP</u> QUAD/UNIT: <u>M SEC: 27 TWP: 29N RNG: 8W PM: NN CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>990'S/990'W</u> SW/SW CONTRACTOR: <u>L+L (BRIAN)</u>	DATE STARTED: <u>10/1/03</u> DATE FINISHED: <u>10/1/03</u> ENVIRONMENTAL SPECIALIST: <u>203</u>
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EXCAVATION APPROX. 15 FT. x 15 FT. x 46 FT. DEEP. CUBIC YARDAGE: 25

DISPOSAL FACILITY: ONSITE REMEDIATION METHOD: LF

LAND USE: RANGE - Blm LEASE: SF 078049 FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 90 FT. N47E 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. = 53.3 ppm  
 OVM CALIB. GAS = 100 ppm RF = 0.52  
 TIME: 0905 am/pm DATE: 10/1/03

SOIL TYPE: (SAND) SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK SHALESTONE @ 6'

SOIL COLOR: 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 - GRAY

HC ODOR DETECTED: YES / NO EXPLANATION - MINOR

CLOSED

SAMPLE TYPE: (GRAB) / COMPOSITE - # OF PTS. 3

ADDITIONAL COMMENTS: EARTHEN PIT w/ SOME FLUID RETENTION. EXCAVATE SOILS TO BEDROCK SHALESTONE @ 6' BG + SAMPLE

BEDROCK BOTTOM

### FIELD 418.1 CALCULATIONS

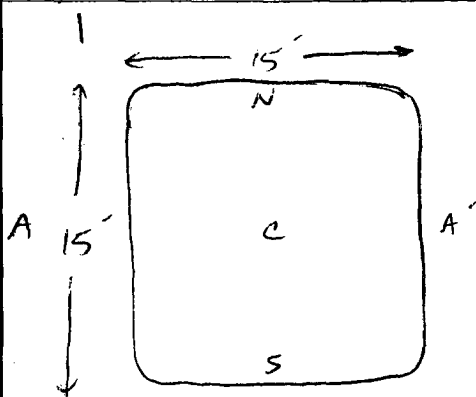
#### SCALE



0 15 FT

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

### PIT PERIMETER



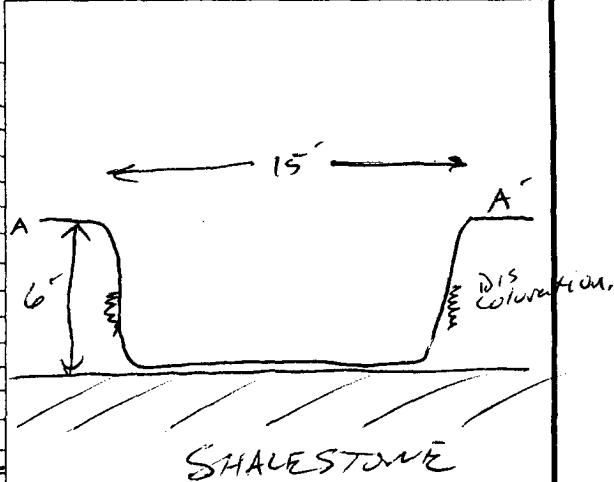
### OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 6'	66
2 @ 6'	12
3 @ 6'	29
4 @	
5 @	

### LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
N @ 6'	TPH	0932
	<u>PASSED</u>	

### PIT PROFILE



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

TRAVEL NOTES: CALLOUT: 9/30/03 ONSITE: 10/1/03

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

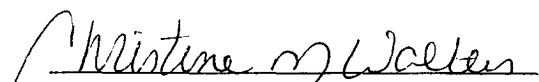
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Separator N @ 6'	Date Reported:	10-06-03
Laboratory Number:	26767	Date Sampled:	10-01-03
Chain of Custody No:	11415	Date Received:	10-01-03
Sample Matrix:	Soil	Date Extracted:	10-03-03
Preservative:	Cool	Date Analyzed:	10-03-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

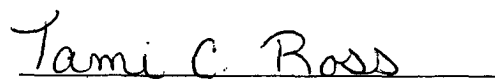
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	6.4	0.2
Diesel Range (C10 - C28)	11.7	0.1
Total Petroleum Hydrocarbons	18.1	0.2

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 C #3.**

  
Analyst

  
Review

CLIENT:

BP

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

LOCATION NO:

81291

C.O.C. NO:

13923

## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: HUGHES C WELL # 3 PITS: SZP  
QUAD/UNIT: M SEC: 27 TWP: 29N RNG: 8W PM: NM CNTY: ST ST: NM  
QTR/FOOTAGE: SW/SW CONTRACTOR:

DATE STARTED: 7/26/05  
DATE FINISHED:

ENVIRONMENTAL  
SPECIALIST: NV

## SOIL REMEDIATION:

25

REMEDICATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE:

LAND USE: RANGE

LIFT DEPTH (ft):

1-2

## FIELD NOTES &amp; REMARKS:

DEPTH TO GROUNDWATER:

&gt;100'

NEAREST SURFACE WATER:

&gt;1,000'

NEAREST WATER SOURCE:

&gt;1,000'

NMOC D RANKING SCORE:

0

NMOC D TPH CLOSURE STD:

5,000

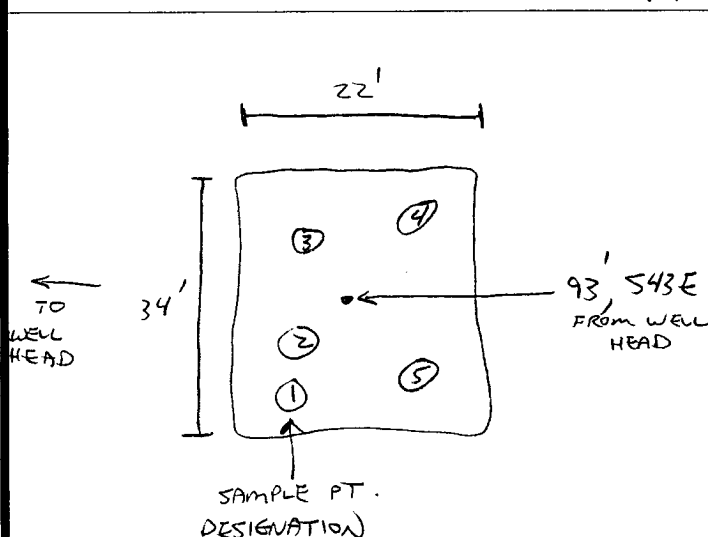
PPM

SOIL TYPE: SAND SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHERSOIL COLOR: VERY PALE ORANGE TO MED. GRAYCOHESION (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 - MED. GRAY IN SAMPLE PTS. ② & ③HC ODOR DETECTED: YES / NO EXPLANATION - SLIGHTLY IN DISCOLORED PORTION ONLYSAMPLING DEPTHS (LANDFARMS): 6-18 (INCHES)SAMPLE TYPE: GRAB / COMPOSITE # OF PTS. 5

ADDITIONAL COMMENTS:

CLOSED

## SKETCH/SAMPLE LOCATIONS



OVM CALIB. READ. = 53.8 ppm  
OVM CALIB. GAS = 100 ppm RF = 0.52  
TIME: 10:15 am/pm DATE: 7/26/05

## OVM RESULTS

## LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	6.2	LF-1	TPH (8015B)	1255	218

P.C. - 10/1/03

## SCALE

0 FT

TRAVEL NOTES: CALLOUT:

N/A

ONSITE:

7/26/05

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

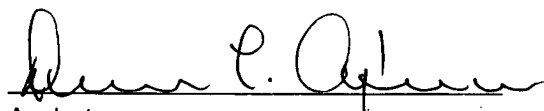
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	07-30-05
Laboratory Number:	33872	Date Sampled:	07-26-05
Chain of Custody No:	13923	Date Received:	07-27-05
Sample Matrix:	Soil	Date Extracted:	07-28-05
Preservative:	Cool	Date Analyzed:	07-30-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

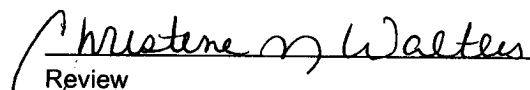
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	10.2	0.2
Diesel Range (C10 - C28)	208	0.1
Total Petroleum Hydrocarbons	218	0.2

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 C #3.**

  
Analyst

  
Review