

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 #7 API #: 3004524032 U/L or Qtr/Qtr P Sec 19 T 29N R 8W  
County: San Juan Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD: 1927 ☐ 1983 ☐  
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☐

**Pit**

Type: Drilling ☐ Production ☐ Disposal ☒

Workover ☐ Emergency ☐

Lined ☐ Unlined ☐

Liner type: Synthetic ☐ Thickness \_\_\_\_\_ mil Clay ☐

Pit Volume \_\_\_\_\_ bbl

**Below-grade tank**

Volume: \_\_\_\_\_ bbl Type of fluid: \_\_\_\_\_

Construction material: \_\_\_\_\_

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	(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.)

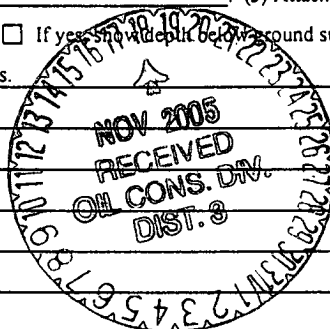
Less than 200 feet	(20 points)
200 feet or more, but less than 1000 feet	(10 points)
1000 feet or more	( 0 points)

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



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 \_\_\_\_\_ Signature Wendy Kent Date: \_\_\_\_\_

District I

O. Box 1980, Hobbs, NM

District II

O. Drawer DD, Artesia, NM 88211

District III

30 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORTOperator: Amoco Production Company Telephone: (505) 326-9200Address: 200 Amoco Court, Farmington, New Mexico 87401Facility Or: HUGHES #7

Well Name

Location: Unit or qtr/qtr sec P sec 19 T 2N R 8W county SAN JUANPit Type: <sup>ABANDONED</sup> Separator ☒ Dehydrator ☐ Other ☐Land Type: BLM ☒, State ☐, Fee ☐, Other ☐Location: Pit dimensions: length 21', width 16', depth 8'  
(attach diagram)Reference: wellhead ☒, other ☐Footage from reference: 72'

Direction from reference: 63 Degrees ☐ East North ☒  
of  
☒ West South ☐

## Depth To Ground Water:

(Vertical distance from  
contaminants to seasonal  
high water elevation of  
ground water)

Less than 50 feet (20 points)  
50 feet to 99 feet (10 points)  
Greater than 100 feet (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 (20 points)  
No (0 points) 0

## Distance To Surface Water:

(horizontal distance to perennial  
lakes, ponds, rivers, streams, creeks,  
irrigation canals and ditches)

Less than 200 feet (20 points)  
200 feet to 1000 feet (10 points)  
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: \_\_\_\_\_ Date Completed: 6/20/00Remediation Method: Excavation ☒ Approx. cubic yards 75

Check all appropriate sections)

Landfarmed ☒ Insitu Bioremediation \_\_\_\_\_

Other \_\_\_\_\_

Remediation Location: Onsite ☒ Offsite \_\_\_\_\_(ie. landfarmed onsite,  
name and location of  
offsite facility)

General Description Of Remedial Action: \_\_\_\_\_

Excavation. BEDROCK BOTTOM. RISK ASSESSED.

Ground Water Encountered: No ☒ Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit:

Sample location see Attached Documents

Closure Sampling:

(if multiple samples,  
attach sample results  
and diagram of sample  
locations and depths)Sample depth 4' (WEST SIDEWALL)Sample date 6/13/00 Sample time 0750

Sample Results

Benzene (ppm) 0.0298Total BTEX (ppm) 0.189Field headspace (ppm) 919 / PIT Bottom  
28' = 1154 ppmTPH 0.9 ppmGround Water Sample: Yes \_\_\_\_\_ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 6/20/00

SIGNATURE

B. ShawPRINTED NAME  
AND TITLEBuddy D. Shaw  
Environmental Coordinator

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80753</u> C.O.C. NO: <u>7018</u>
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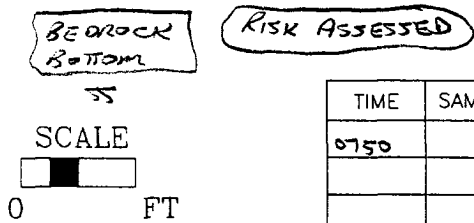
FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>HUGHES</u> WELL #: <u>7</u> PIT: <u>ABAND. SEP.</u> QUAD/UNIT: <u>P</u> SEC: <u>19</u> TWP: <u>29N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>875' S 1945' E</u> SESE CONTRACTOR: <u>FLINT</u>	DATE STARTED: <u>6/13/00</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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EXCAVATION APPROX. <u>21</u> FT. x <u>16</u> FT. x <u>8</u> FT. DEEP. CUBIC YARDAGE: <u>75</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>LANDFARM</u>
LAND USE: <u>RANGE</u> LEASE: <u>SF 078046</u> FORMATION: <u>DR</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>72</u> FT. <u>N63W</u> FROM WELL HEAD. DEPTH TO GROUNDWATER: <u>&gt;100'</u> NEAREST WATER SOURCE: <u>&gt;1000'</u> NEAREST SURFACE WATER: <u>&gt;1000'</u> NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM SOIL AND EXCAVATION DESCRIPTION: _____ <div style="float: right; border: 1px solid black; padding: 2px;">             CHECK ONE:  <input checked="" type="checkbox"/> PIT ABANDONED  <input type="checkbox"/> STEEL TANK INSTALLED  <input type="checkbox"/> FIBERGLASS TANK INSTALLED         </div>
	OVM CALIB. READ: <u>53.5</u> ppm TIME: <u>0805</u> @/pm <u>6/13/00</u>

DUSKY RED CLAY  
 PALE YELL. TO GRAYISH ORANGE SAND & BEDROCK (SANDSTONE)  
 STRONG HC ODOR IN ALL OVM SAMPLES, SOUTH & WEST SIDEWALL SAMPLES  
 COLLECTED FROM CLAY INTERVAL (2-5' BELOW GRADE).



FIELD 418.1 CALCULATIONS							
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0750							

### PIT PERIMETER

### OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 5'	450
2 @ 5'	400
3 @ 4'	755
4 @ 4'	919
5 @ 8'	1154

### LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
(4) @ 4'	TPH (8015)	0750
"	BTEX (8021)	"

### PIT PROFILE

TRAVEL NOTES:	CALLOUT: <u>6/5/00 - AFTER.</u>	ONSITE: <u>6/6/00 - MORN. 6/13/00 - MORN.</u>
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# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

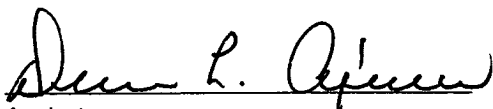
Client:	Blagg / Amoco	Project #:	403410
Sample ID:	4 @ 4'	Date Reported:	06-20-00
Laboratory Number:	H522	Date Sampled:	06-13-00
Chain of Custody No:	7018	Date Received:	06-19-00
Sample Matrix:	Soil	Date Extracted:	06-19-00
Preservative:	Cool	Date Analyzed:	06-20-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

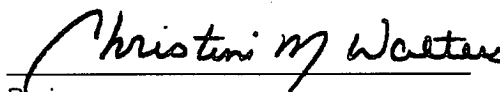
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.7	0.2
Diesel Range (C10 - C28)	0.2	0.1
Total Petroleum Hydrocarbons	0.9	0.1

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 #7 Abandoned Separator Pit.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / Amoco	Project #:	403410
Sample ID:	4 @ 4'	Date Reported:	06-20-00
Laboratory Number:	H522	Date Sampled:	06-13-00
Chain of Custody:	7018	Date Received:	06-19-00
Sample Matrix:	Soil	Date Analyzed:	06-20-00
Preservative:	Cool	Date Extracted:	06-19-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	29.8	1.8
Toluene	11.7	1.7
Ethylbenzene	26.5	1.5
p,m-Xylene	84.6	2.2
o-Xylene	36.7	1.0
Total BTEX	189	

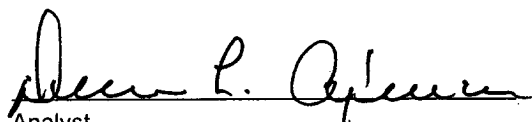
ND - Parameter not detected at the stated detection limit.

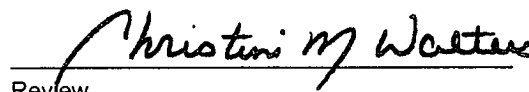
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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 #7 Abandoned Separator Pit.

  
Analyst

  
Review

CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80753</u>  C.O.C. NO: <u>9726</u>
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## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>HUGHES</u>	WELL #: <u>7</u>	PITS: <u>Blow, compr., sep.</u>	DATE STARTED: <u>2/21/02</u>
QUAD/UNIT: <u>P SEC: 19 TWP: 29N RNG: 8W PM: 00m CNTY: SJ ST: NM</u>			DATE FINISHED: _____
QTR/FOOTAGE: <u>5E/5E</u>		CONTRACTOR: <u>FUNT</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

### SOIL REMEDIATION:

REMEDIATION SYSTEM: <u>LANDFARM</u>	APPROX. CUBIC YARDAGE: <u>175</u>
LAND USE: <u>RANGE-BLM</u>	LIFT DEPTH (ft): <u>0.5-1</u>

### FIELD NOTES & REMARKS:

NMCD RANKING SCORE: 0 NMCD TPH CLOSURE STD: 5000 ppm

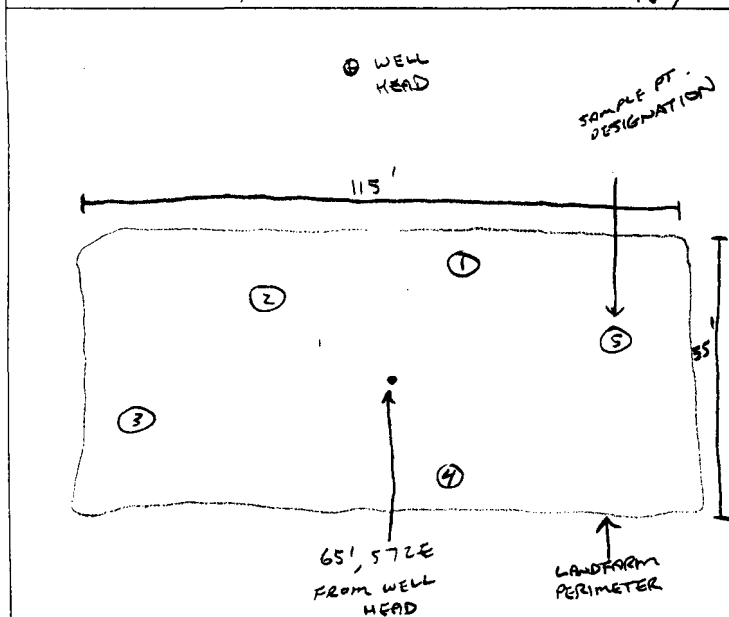
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

SOIL TYPE: SAND / SILTY SAND / SILT / (SILTY CLAY) / CLAY / GRAVEL / OTHER \_\_\_\_\_  
 SOIL COLOR: PALE YELL. BROWN TO DUSKY BROWN  
 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 - \_\_\_\_\_  
 HC ODOR DETECTED: YES / (NO) EXPLANATION - \_\_\_\_\_  
 SAMPLING DEPTHS (LANDFARMS): 4-8 (INCHES)  
 SAMPLE TYPE: GRAB / (COMPOSITE) - # OF PTS. 5  
 ADDITIONAL COMMENTS: APPROX. 125 C.Y. TRANSPORTED TO NTE GC & IE (F-7-29-9)

### FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

### SKETCH/SAMPLE LOCATIONS N ↗



OVM CALIB. READ. 53.2 ppm  
 OVM CALIB. GAS = 100 ppm; RF = 0.52  
 TIME: 9:00 am DATE: 2/21/02

### OVM RESULTS LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (80158)	0930	ND

SCALE  
  
 0 FT

P.C. - 6/13/00  
 6/19/00

TRAVEL NOTES: CALLOUT: N/A ONSITE: 2/21/02

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

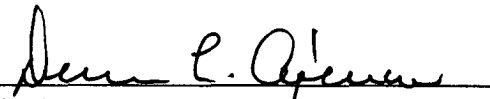
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	02-25-02
Laboratory Number:	22077	Date Sampled:	02-21-02
Chain of Custody No:	9726	Date Received:	02-22-02
Sample Matrix:	Soil	Date Extracted:	02-22-02
Preservative:	Cool	Date Analyzed:	02-25-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

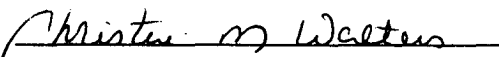
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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 #7 Landfarm 5 Pt. Composite.**

  
Analyst

  
Review