

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 ☒

Operator: BP AMERICA PROD. CO. Telephone: (505) 326-9200  
Address: 200 Energy Court, Farmington, NM 87410  
Facility or well name: GOOCH #1 API #: 30-045-23269 U/L or Qtr/Qt B Sec 20 T 28N R 8W  
County: San Juan Latitude 36.65136 Longitude 107.70062 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

**Pit**

Type: Drilling ☐ Production ☐ Disposal ☒ DEHYDRATOR/SEPARATOR  
Workover ☐ Emergency ☐  
Lined ☐ Unlined ☒  
Liner type: Synthetic ☐ Thickness        mil Clay ☐ Volume        bbl

**Below-grade tank**

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	(20 points)
50 feet or more, but less than 100 feet	(10 points) 0
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) 0

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) 0
1000 feet or more	( 0 points)

<b>Ranking Score (Total Points)</b>	0
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**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: 06/03/04

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 14 2007

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

Signature Bob Bell

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>B1406</u> COCR NO: <u>12238</u>
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## FIELD REPORT: PIT CLOSURE VERIFICATION

 PAGE No: 1 of 1

LOCATION: NAME: <u>GOOCH</u> WELL #: <u>1</u> TYPE: <u>DEHY/SEP</u> QUAD/UNIT: <u>B SEC: 20 TWP: 28N RNG: 8W PM: NM CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>1020N 1510E NW 1/4E CONTRACTOR: HD (UNO FRE)</u>	DATE STARTED: <u>6-1-04</u> DATE FINISHED: <u>6-1-04</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>
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EXCAVATION APPROX: <u>15</u> FT. x <u>15</u> FT. x <u>8</u> FT. DEEP. CUBIC YARDAGE: <u>25</u>	DISPOSAL FACILITY: <u>ONSITE</u> REMEDIATION METHOD: <u>LF</u>	LAND USE: <u>RANGE - BLM</u> LEASE: <u>SF 080112</u> FORMATION: <u>DK</u>
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FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>81</u> FT. <u>N17W</u> FROM WELLHEAD.		
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:

OVM CALIB. READ. = <u>52.8</u> ppm
OVM CALIB. GAS = <u>100</u> ppm RF = 0.52
TIME: <u>0925</u> am/pm DATE: <u>6-1-04</u>

SOIL TYPE: SAND SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK SS. @ 8' BG

SOIL COLOR: ORANGE TAN

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 - BLACK/GRAY ON BASE ONLY

HC ODOR DETECTED: YES / NO EXPLANATION - MODERATE

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

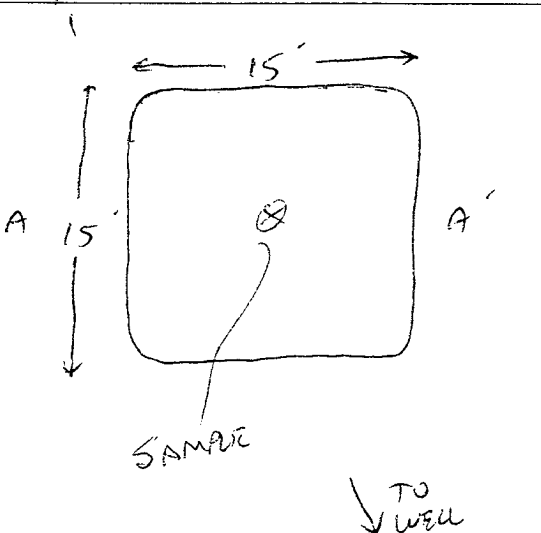
ADDITIONAL COMMENTS: EARTHEN PIT. EXCAVATE TO SANDSTONE BEDROCK @ 8' BG.  
WILL SET 95 BBL STEEL TANK IN PIT.  
BEDROCK BOTTOM

CLOSED

### FIELD 418.1 CALCULATIONS

SCALE	SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)
0  1 FT								

### PIT PERIMETER



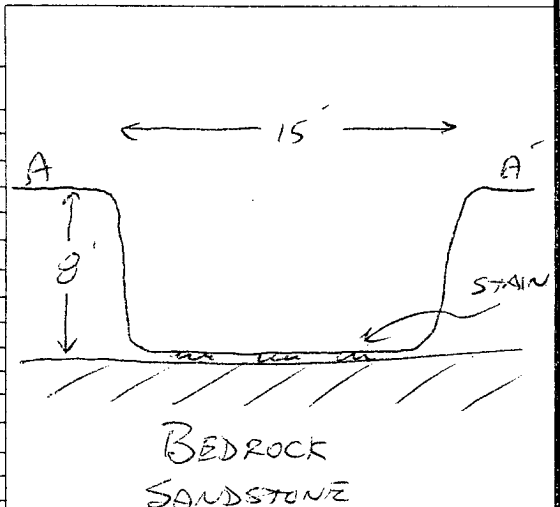
### OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 0'	155
2 @	
3 @	
4 @	
5 @	

### LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 0'	TPH	1220
	BTEX	
	CL	
	ALL PASSED	

### PIT PROFILE



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

TRAVEL NOTES:	CALLOUT: <u>6/1/04 0730</u>	ONSITE: <u>6/1/04 1145</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 / BP  
Sample ID: 1 @ 8'  
Laboratory Number: 28900  
Chain of Custody No: 12238  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

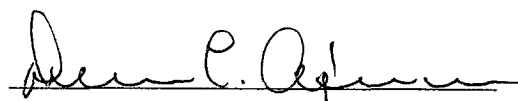
Project #: 94034-010  
Date Reported: 06-03-04  
Date Sampled: 06-01-04  
Date Received: 06-02-04  
Date Extracted: 06-02-04  
Date Analyzed: 06-03-04  
Analysis Requested: 8015 TPH

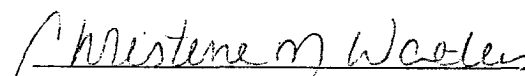
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	8.7	0.2
Diesel Range (C10 - C28)	2.1	0.1
Total Petroleum Hydrocarbons	10.8	0.2

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: Gooch 1 Dehy / Sep.

  
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 @ 8'	Date Reported:	06-03-04
Laboratory Number:	28900	Date Sampled:	06-01-04
Chain of Custody:	12238	Date Received:	06-02-04
Sample Matrix:	Soil	Date Analyzed:	06-03-04
Preservative:	Cool	Date Extracted:	06-02-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	28.9	1.8
Toluene	119	1.7
Ethylbenzene	54.4	1.5
p,m-Xylene	551	2.2
o-Xylene	123	1.0
Total BTEX	876	

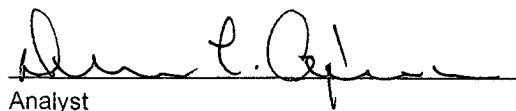
ND - Parameter not detected at the stated detection limit.

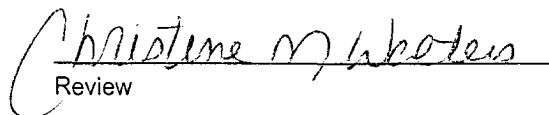
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97 %
	1,4-difluorobenzene	97 %
	Bromochlorobenzene	97 %

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: Gooch 1 Dehy / Sep.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

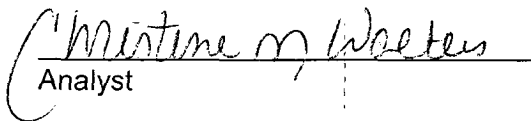
## Total Chloride

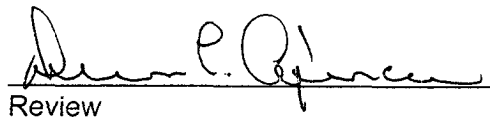
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 8'	Date Reported:	06-02-04
Lab ID#:	28900	Date Sampled:	06-01-04
Sample Matrix:	Soil	Date Received:	06-02-04
Preservative:	Cool	Date Analyzed:	06-02-04
Condition:	Cool and Intact	Chain of Custody:	12080

Parameter	Concentration (mg/Kg)
Total Chloride	57.0

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

Comments: Gooch 1 Dehy / Sep.

  
Analyst

  
Review

CLIENT:

BP

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

LOCATION NO: 81406

C.O.C. NO: 14632

# FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: GOOCH

WELL #: 1

PITS: OCHT/SEP BLOW/PROD.

DATE STARTED: 5/24/06

QUAD/UNIT: 6 SEC: 20 TWP: 28N RNG: 8W PM: NM CNTY: SJ ST: NM

DATE FINISHED:

QTR/FOOTAGE:

NW/4E

CONTRACTOR:

ENVIRONMENTAL  
SPECIALIST:

NV

## SOIL REMEDIATION:

55

REMEDATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE:

LAND USE: RANGE - BLM

LIFT DEPTH (ft):

1-1.5

## FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: &gt;100'

NEAREST SURFACE WATER: &gt;1000'

NEAREST WATER SOURCE:

&gt;1000'

NMOCD RANKING SCORE:

0

NMOCD TPH CLOSURE STD: 5,000 PPM

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER

SOIL COLOR: DK. YELL. ORANGE

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 &amp; SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

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

CLOSED

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION -

HC ODOR DETECTED: YES / NO EXPLANATION -

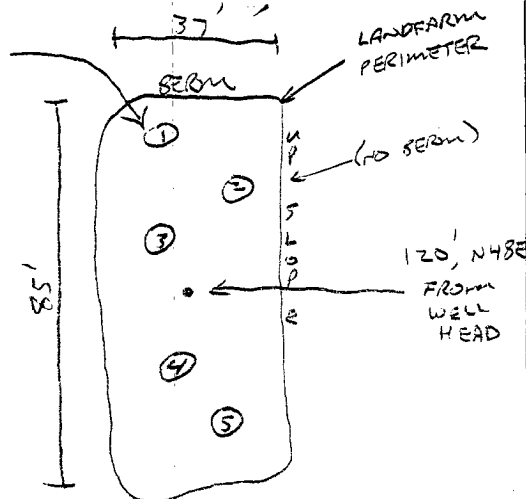
SAMPLING DEPTHS (LANDFARMS): 8 - 15 (INCHES)

SAMPLE TYPE: GRAB / COMPOSITE # OF PTS. 5

ADDITIONAL COMMENTS:

## SKETCH/SAMPLE LOCATIONS

N

SAMPLE PT.  
DESIGNATION

OVM CALIB. READ. = 53.5 ppm  
OVM CALIB. GAS = 100 ppm RF = 0.52  
TIME: 7:30 am/pm DATE: 5/24/06

## OVM RESULTS

## LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (82/58)	1000	S.1

P.C. - 6/1/04

SCALE



0 FT

TRAVEL NOTES: CALLOUT:

N/A

ONSITE:

5/24/06

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

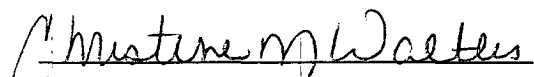
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	05-25-06
Laboratory Number:	37231	Date Sampled:	05-24-06
Chain of Custody No:	14632	Date Received:	05-25-06
Sample Matrix:	Soil	Date Extracted:	05-25-06
Preservative:	Cool	Date Analyzed:	05-25-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	5.1	0.1
Total Petroleum Hydrocarbons	5.1	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: **Gooch #1 Landfarm 5 Pt. Composite Sample.**

  
Analyst

  
Review