District 1 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

1220 S. St. Francis Dr., Santa Fe, NM 87505

Printed Name/Title

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division

For drilling and production facilities, submit to

Form C-144

June 1, 2004

1220 South St. Francis Dr. Santa Fe, NM 87505

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 \(\subseteq \) Closure of a pit or below-grade tank \(\subseteq \) BP AMERICA PROD. CO. Telephone: (505)-326-9200 e-mail address: Address: 200 ENERGY COURT, FARMINGTON, NM 87410 _U/L or Qtr/Qtr_ J_ Sec 34 T 29N R 8W Facility or well name: HUGHES A #4E API#: 30-045- 25193 Longitude 107.6603 County: SAN JUAN Latitude 36.68017 NAD: 1927 🗌 1983 🛛 Surface Owner Federal 🖾 State 🗌 Private 🔲 Indian 🔲 Pit Below-grade tank Type: Drilling Production Disposal BLOW Volume: bbl Type of fluid: Workover Emergency Construction materia Double-walled, with leak Lined Unlined Liner type: Synthetic Thickness ____ mil Clay Pit Volume Less than 50 feet (20 points) Depth to ground water (vertical distance from bottom of pit to seasonal 0 50 feet or more, but less than 100 feet (10 points) high water elevation of ground water.) 100 feet or more (0 points) Yes (20 points) Wellhead protection area: (Less than 200 feet from a private domestic 0 (0 points) water source, or less than 1000 feet from all other water sources.) Less than 200 feet (20 points) Distance to surface water: (horizontal distance to all wetlands, playas, 200 feet or more, but less than 1000 feet (10 points) 0 irrigation canals, ditches, and perennial and ephemeral watercourses.) 1000 feet or more (0 points) 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: (check the onsite box if your 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: PIT LOCATED APPROXIMATELY 123 FT. S39E FROM WELL HEAD. PIT EXCAVATION: WIDTH N/Aft., LENGTH N/Aft., DEPTH N/A ft. PIT REMEDIATION: CLOSE AS IS: ☑, LANDFARM: ☐, COMPOST: ☐, STOCKPILE: ☐, OTHER ☐ (explain) Cubic yards: | N/A **BEDROCK BOTTOM** 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 tab has been/will be constructed or closed according to NMOCD guidelines 🖾, a general permit 🗔, or an alternative OCD-approved plan 🖾 💨 11/10/05 Date: 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: FEB 28 2006 DEPUTY OIL & GAS INSPECTOR, DIST. Signature

DAA



| Client: | Blagg | Project #: | 94034-010 |
|----------------------|-----------------|---------------------|-----------|
| Sample ID: | 1 @ 7' | Date Reported: | 11-10-05 |
| Laboratory Number: | 34950 | Date Sampled: | 11-08-05 |
| Chain of Custody No: | 14491 | Date Received: | 11-08-05 |
| Sample Matrix: | Soil | Date Extracted: | 11-10-05 |
| Preservative: | Cool | Date Analyzed: | 11-10-05 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | 834 | 0.2 |
| Diesel Range (C10 - C28) | 241 | 0.1 |
| Total Petroleum Hydrocarbons | 1,080 | 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 A #4E Blow Pit Grab Sample.

Analyst Malley

Review C. Carrier



| Client: | Blagg | Project #: | 94034-010 |
|--------------------|---------------|---------------------|-----------|
| Sample ID: | 1 @ 7' | Date Reported: | 11-10-05 |
| Laboratory Number: | 34950 | Date Sampled: | 11-08-05 |
| Chain of Custody: | 14491 | Date Received: | 11-08-05 |
| Sample Matrix: | Soil | Date Analyzed: | 11-10-05 |
| Preservative: | Cool | Date Extracted: | 11-10-05 |
| Condition: | Cool & Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) | |
|--------------|--------------------------|--------------------------|--|
| | | | |
| Benzene | 391 | 1.8 | |
| Toluene | 2,750 | 1.7 | |
| Ethylbenzene | 720 | 1.5 | |
| p,m-Xylene | 7,650 | 2.2 | |
| o-Xylene | 1,930 | 1.0 | |
| Total BTEX | 13,400 | | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 98.0 % |
| | 1,4-difluorobenzene | 98.0 % |
| | Bromochlorobenzene | 98.0 % |

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 A #4E Blow Pit Grab Sample.

Analyst Mustber Muller



| Client: | Blagg | Project #: | 94034-010 |
|----------------|-----------------|-------------------|-------------------|
| Sample ID: | 1 @ 7' | Date Reported: | 11-11-05 |
| Lab ID#: | 34950 | Date Sampled: | 11 - 08-05 |
| Sample Matrix: | Soil | Date Received: | 11-08-05 |
| Preservative: | Cool | Date Analyzed: | 11-11 - 05 |
| Condition: | Cool and Intact | Chain of Custody: | 14491 |

| Parameter |
|-----------|
|-----------|

Concentration (mg/Kg)

Total Chloride

34.0

Reference:

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

Comments:

Hughes A #4E Blow Pit Grab Sample.

Analyst Malter

Review C. Que

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

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

<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

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 🗵 | | | | |
|--|--|---|--|--|
| DD AMEDICA DROD CO | - (505) 326 0200 | | | |
| Operator: BP AMERICA PROD. CO. Address: 200 ENERGY COURT, FARMINGTON. | | l address: | | |
| | API #: 30-045- 25193 U/L or Qtr/Q | . I San 34 T 29N P 8W | | |
| County: SAN JUAN Latitude 36.68017 Longitude 10' | | | | |
| County: Dilit Collin Landade College Longhade 10 | NAD. 1927 1983 & Sulface Ow | viel redeial & State Trivate Indian | | |
| Pit | Below-grade tank | | | |
| Type: Drilling ☐ Production ☐ Disposal ☒ DEHYDRATOR | Volume:bbl_Type-of-fluid: | | | |
| Workover ☐ Emergency ☐ | Construction materia: | | | |
| Lined Unlined 🛛 | Double-walled, with leak detection? Yes D If na. | explain why not. | | |
| Liner type: Synthetic Thicknessmil Clay | | | | |
| Pit Volumebbl | | | | |
| Depth to ground water (vertical distance from bottom of pit to seasonal | Less than 50 feet | (20 points) | | |
| high water elevation of ground water.) | 50 feet or more, but less than 100 feet | (10 points) 0 | | |
| mgn water elevation of ground water.) | 100 feet or more | (0 points) | | |
| W.W 1 | Yes | (20 points) | | |
| Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.) | No | (0 points) | | |
| water source, or less man 1000 feet from an other water sources.) | X 1 200 C | (20) | | |
| Distance to surface water: (horizontal distance to all wetlands, playas, | Less than 200 feet | (20 points) | | |
| irrigation canals, ditches, and perennial and ephemeral watercourses.) | 200 feet or more, but less than 1000 feet | (10 points) | | |
| | 1000 feet or more | (0 points) | | |
| | 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) Indicat | e disposal location: (check the onsite box if | | |
| your are burying in place) onsite 🛛 offsite 🔲 If offsite, name of facility_ | . (3) Attach a general de | escription of remedial action taken including | | |
| remediation start date and end date. (4) Groundwater encountered: No 🛛 Y | es I 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 | 3. | 25 35 76 27 30 | | |
| Additional Comments: PIT LOCATED APPROXIMATELY | 120 FT. N71E FROM WE | LL HEAD. | | |
| PIT EXCAVATION: WIDTH N/Aft., LENGTH | N/Aft., DEPTH N/A ft | A FEN | | |
| PIT REMEDIATION: CLOSE AS IS: ⊠, LANDFARM: □, CO | | plain) \(\frac{1}{2006} \) | | |
| Cubic yards: N/A | | (co | | |
| BEDROCK BOTTOM | | 1/08/10 2000 | | |
| BEDROCK BOTTOM | | | | |
| I hereby certify that the information above is true and complete to the best has been/will be constructed or closed according to NMOCD guideline | of my knowledge and belief. I further certify that the S , a general permit , or an alternative OCD-a | e above-described pit or below-grade tank pproved plan ⊠. | | |
| Date: 11/10/05 | | | | |
| Date: | | | | |
| PrintedName/Title Jeff Blagg - P.E. # 11607 | Signature 9-16-3 | enger (| | |
| Your certification and NMOCD approval of this application/closure does notherwise endanger public health or the environment. Nor does it relieve the regulations. | ot relieve the operator of liability should the contents one operator of its responsibility for compliance with an | of the pit or tank contaminate ground water or ny other federal, state, or local laws and/or | | |
| Approval: | | mma - 0000 | | |
| Printed Name/Title TRUTY ON & GAS INSPECTOR, DIST. 61 Signature | gnature Def Deff | Date: | | |

| 6.2 | 1 | | NEERING | = | LOC | CATION NO: | 81692 |
|--|----------------------|----------------------|-------------------------|---------------------------------------|------------|---------------------------------------|--------------------|
| CLIENT: BP | P.O. BOX | 87, BLO (505) 632 | |), NM 874 | | CR NO: | 14491 |
| FIELD REPORT | : PIT CL | OSURE | VERIF | ICATIO | | | / of / |
| LOCATION: NAME: HUGH | | | | | | STARTED: _ | 11/8/05 |
| QUAD/UNIT: J SEC: 34 | 1 | | | | \ | FINISHED: RONMENTAL | |
| QTR/FOOTAGE: 17 50 5 / 15 | · | | | |)SPEC | HALIST: | NV |
| EXCAVATION APPROX | • | | | | | _ | _ AA |
| (| DN - 5 | | | | | CLOSE 1 | |
| | - Bum | | | | FORMAT | | OK |
| FIELD NOTES & REMAR | 111 200 | ATED APPROX | IMATELY 12 | <u>O</u> FT. | NIE | _ FROM | WELLHEAD. |
| DEPTH TO GROUNDWATER: >10 | | ATER SOURCE: | >1,000 | NEAREST S | SURFACE WA | TER: | , 000 |
| NMOCD RANKING SCORE: | | | 5,000 p | | <i>/</i> - | - - | |
| SOIL AND EXCAVATION | N DESCRIPT | ION: ELEV | 16,485 | OVM CALIB. OVM CALIB. | GAS = / | O O ppm | , <u>RF = 0.52</u> |
| | | | | TIME: 9: | 40 am/pr | n DATE: _ | 11/8/05 |
| SOIL TYPE: SAND / SILTY SAN SOIL COLOR: MOO. BAZU | ND/SILT/SILTY(| CLAY / CLAY / | GRAVEL / OTH | er <u>Bedr</u> e Bedrock | CK CSAY | DOSTONE E LEAY | · |
| COHESION (ALL OTHERS): NON CO | OHESIVE SLIGHTLY | COHESIVE / CO | | | | CORM | |
| CONSISTENCY (NON COHESIVE SC | | | | · · · · · · · · · · · · · · · · · · · | | | |
| PLASTICITY (CLAYS): NON PLASTI DENSITY (COHESIVE CLAYS & SILT | | | | / HIGHLY PLASI | TIC | (0 | LOSED) |
| MOISTURE: DRY /SLIGHTLY MOIST | MOIST / WET / SAT | TURATED / SUPE | R SATURATED | _ | · 25 | | |
| DISCOLORATION/STAINING OBSER HC ODOR DETECTED: YES NO EX | VED YES NO EXP | ST HOLE | 4 som 5x | HOLE WITER | DUS 4 RE | DUDCK 5 | THETACE. |
| SAMPLE TYPE: GRAD/ COMPOSITE | E - # OF PTS. — | | | | 0=221 | ما جر سد | -1-00 |
| ADDITIONAL COMMENTS: COLLEGE SLIGH | thy friable | | | | | | |
| | L + LEAUE (| n pace. | | ** | | | |
| SCALE GAME TO | | 1 | ELD 418.1 CALC | T | T | · | |
| SAMP. TIN | ME SAMP. ID | LAB NO. | WEIGHT (g) | mL FREON | DILUTION | READING | CALC. (ppm) |
| 0 FT | | | | | <u> </u> | | |
| PIT PERIMET | ER AN | | 1 | | PIT | ROFIL | E |
| | | | VM | | | · · · · · · · · · · · · · · · · · · · | |
| | | SAMPLE | DING FIELD HEADSPACE | _ | | | |
| TO WELL | | 1@5 | (ppm) 1,440 | _ | | | |
| HEAD TO | ~ | 2 @ 3 @ | | 7 | | | |
| - BERM | • | 4 @ | | | | | |
| | 7 | 5@ | | 4 | | _ | |
| DE M | T.H.~4' B.P.D. | | | | NOT | APPLIC | ABLE |
| | 1 | | | - | | | |
| | | | | 7 | | | |
| | | CAMPIE | AMPLES | | | | |
| P.D.~1 8.6. | | (D , A) | VALYSIS TIME | | | | |
| 1,0,0,0 | | " 8TE | (80218) 11 VORIDE 11 | | | | , |
| P.D. = PIT DEPRESSION; B.G. = BELOW | / GRADE: R = RELOW | | | | | | |
| T.H. = TEST HOLE; ~ = APPROX.; T.B. = | TANK BOTTOM | | 22ED | <u> </u> | | | |
| TRAVEL NOTES: CALLOUT | : <u> 11/7/05 -</u> | - AFTER. | _ ONSITE: _ | 11/8/03 | 5 -MOR | <i>ا</i> . | |



| Client: | Blagg | Project #: | 94034-010 |
|----------------------|-----------------|---------------------|-----------|
| Sample ID: | 1 @ 5' | Date Reported: | 11-10-05 |
| Laboratory Number: | 34951 | Date Sampled: | 11-08-05 |
| Chain of Custody No: | 14491 | Date Received: | 11-08-05 |
| Sample Matrix: | Soil | Date Extracted: | 11-10-05 |
| Preservative: | Cool | Date Analyzed: | 11-10-05 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | 955 | 0.2 |
| Diesel Range (C10 - C28) | 261 | 0.1 |
| Total Petroleum Hydrocarbons | 1,220 | 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 A #4E Dehydrator Pit Grab Sample.

Mistury Wallers

Review C. Commen



| Client: | Blagg | Project #: | 94034-010 |
|--------------------|---------------|---------------------|-----------|
| Sample ID: | 1 @ 5' | Date Reported: | 11-10-05 |
| Laboratory Number: | 34951 | Date Sampled: | 11-08-05 |
| Chain of Custody: | 14491 | Date Received: | 11-08-05 |
| Sample Matrix: | Soil | Date Analyzed: | 11-10-05 |
| Preservative: | Cool | Date Extracted: | 11-10-05 |
| Condition: | Cool & Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) | |
|--------------|--------------------------|--------------------------|--|
| Benzene | 1,490 | 1.8 | |
| Toluene | 4,930 | 1.7 | |
| Ethylbenzene | 1,040 | 1.5 | |
| p,m-Xylene | 8,290 | 2.2 | |
| o-Xylene | 2,110 | 1.0 | |
| Total BTEX | 17,900 | | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 98.0 % |
| | 1,4-difluorobenzene | 98.0 % |
| | Bromochlorobenzene | 98.0 % |

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 A #4E Dehydrator Pit Grab Sample.

Analyst

Review C. Comment



| Client: | Blagg | Project #: | 94034-010 |
|----------------|-----------------|-------------------|-------------------|
| Sample ID: | 1 @ 5' | Date Reported: | 11-11-05 |
| Lab ID#: | 34951 | Date Sampled: | 11-08-05 |
| Sample Matrix: | Soil | Date Received: | 11 - 08-05 |
| Preservative: | Cool | Date Analyzed: | 11-11-05 |
| Condition: | Cool and Intact | Chain of Custody: | 14491 |

Parameter

Concentration (mg/Kg)

Total Chloride

50.0

Reference:

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

Comments:

Hughes A #4E Dehydrator Pit Grab Sample.

Analyst

Review

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

1220 S. St. Francis Dr., Santa Fe, NM 87505

Printed Name/Title

State of New Mexico **Energy Minerals and Natural Resources**

For drilling and production facilities, submit to appropriate NMOCD District Office.

Form C-144

June 1, 2004

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For downstream facilities, submit to Santa Fe

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 \(\subseteq\) Closure of a pit or below-grade tank \(\subseteq\) (505)-326-9200 BP AMERICA PROD. CO. Telephone: e-mail address: Address: 200 ENERGY COURT. FARMINGTON. NM 87410 U/L or Qtr/Qtr J Sec 34 T 29N R 8W Facility or well name: HUGHES A #4E API#: 30-045- 25193 Longitude 107.6603 County: SAN JUAN Latitude 36.68017 NAD: 1927 🗌 1983 🛛 Surface Owner Federal 🖾 State 🔲 Private 🔲 Indian 🔲 <u>Pit</u> Below-grade tank Type: Drilling ☐ Production ☐ Disposal ☒ Volume: Workover ☐ Emergency ☐ Construction materia Lined Unlined 🛛 Liner type: Synthetic Thickness Pit Volume Less than 50 feet (20 points) Depth to ground water (vertical distance from bottom of pit to seasonal 0 50 feet or more, but less than 100 feet (10 points) high water elevation of ground water.) 100 feet or more (0 points) Yes (20 points) Wellhead protection area: (Less than 200 feet from a private domestic 0 No (0 points) water source, or less than 1000 feet from all other water sources.) Less than 200 feet (20 points) Distance to surface water: (horizontal distance to all wetlands, playas, (10 points) 200 feet or more, but less than 1000 feet irrigation canals, ditches, and perennial and ephemeral watercourses.) 1000 feet or more (0 points) 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: (check the onsite box if your are burying in place) onsite \(\square\) offsite \(\square\) 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: PIT LOCATED APPROXIMATELY 105 FT. N5E FROM WELL HEAD. PIT EXCAVATION: WIDTH N/Aft., LENGTH N/Aft., DEPTH N/A ft. PIT REMEDIATION: CLOSE AS IS: ⊠, LANDFARM: □, COMPOST: □, STOCKPILE: □, OTHER □ (explain) N/A Cubic yards: BEDROCK BOTTOM 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 alternative OCD-approved plan . 11/10/05 Date: 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 CETATTY ON & GAS INSPECTOR, DIST. AC Signature Sanda Sall

| CLIENT: | .Ρ | P.O. BOX | | | • | 113 | ATION NO: CR NO: | 8169Z 14491 | |
|---|--|--|---|--|-----------------|------------|---|------------------------|-----|
| FIELD R | EPORT | : PIT CL | OSURE | VERIF | CATIO | N PAG | E No: | | |
| | SEC: 34 | TWP: 29% RNC 1510 E NU | 5:8W PM:1 | JM CNTY: 5 | J ST: NM | DATE | STARTED: FINISHED: ONMENTAL ALIST: | 11/8/05 NV | Orf |
| EXCAVATION | N APPROX | . <u>NA</u> FT. x | _ <i>NA</i> _ FT. | x <u>NA</u> FT | . DEEP. CL | JBIC YARE | AGE: | <i>^}}}</i> | |
| DISPOSAL FAC | • | BUM | | REMEDIA | | | CLOSE; | DK DK | |
| FIELD NOTES | & REMAR | KS: PIT LOC | ATED APPROX | KIMATELY 10 | \$FT | N2€ | FROM | WELLHEAD. |] |
| DEPTH TO GROUND | | | | 21,000 5,000 PI | | URFACE WAT | ER: | 1,000 | |
| | | N DESCRIPT | | • | | GAS = / | ppm O | //RF;= 0.52 | |
| SOIL TYPE SAN | | | | | ER BENZO | ck (3) | MOSTONE | :) | |
| SOIL COLOR: | | COWN TO MOTHER TO PROPERTY | | | | ock-lt. | GRAY | | |
| CONSISTENCY (NO PLASTICITY (CLAYS DENSITY (COHESIV MOISTURE: DRY / S | N COHESIVE SO): NON PLASTIC E CLAYS & SILTS GLIGHTLY MOIST | C / SLIGHTLY PLAST S): SOFT / FIRM / ST MOIST PWET / SAT | DOENSE / VERY IC / COHESIVE / IFF / VERY STIFF URATED / SUPE | DENSE MEDIUM PLASTIC / HARD R SATURATED | / HIGHLY PLASTI | | Col | OSED | |
| DISCOLORATION/ST HC ODOR DETECTE | DE YES NO E | (PLANATION - TE | ST HOW | 11/25 /ES/ / | your or is | ENTOX | SURFAC | | |
| SAMPLE TYPE: GR ADDITIONAL COMM BEDROCK | AB) COMPOSITE ENTS: 200 SUGHT | -#OF PTS. — ECTED SOM! LY FRIABLE | LE FLOM | JOILABOUE TENT, WST | RUSED OF | | | | |
| BOTTOM | 1 mpg | eted soil | | | | | | | 4 |
| SCALE | SAMP. TIN | IE SAMP, ID | LAB NO. | WEIGHT (g) | | DILUTION | DEADNG | CALC. (ppm) | |
| | SAMI. TH | ILI SAMI.ID | LAB NO. | weldiff (g) | IIIL PREON | DILUTION | READING | CALC. (ppm) | |
| 0 F | | | | | | | | | l |
| PITI | PERIMET | ER AN | | | | PITP | ROFIL | E | |
| ŀ | 15' BERN | | REA | VM \DING | | | | | |
| 7 17 | BERM | | SAMPLE ID 1@ 5" 2@ | FIELD HEADSPACE (ppm) | _ | | | | |
| * | 10 | T.H.~5" | 3 @ 4 @ 5 @ | | _ | | | | |
| | | P.D. e | J (2) | | | NOT , | APPLIC | ABLE | : |
| TO WELD HEAD | PROD. | € RADE | | | | | | | |
| HEAD | | | SAMPLE AI OC5 TPH " BIE | AMPLES VALYSIS TIME (80158) 093: X (8028) " DOCKOF " | | | | | |
| P.D. = PIT DEPRESSIO T.H. = TEST HOLE; ~ = | N; B.G. = BELOW APPROX.; T.B. = | GRADE; B = BELOW TANK BOTTOM | Pi | (SSE D) | <u> </u> | | | | |
| TRAVEL NOTES: | CALLOUT | 11/7/05- | - AFTER. | ONSITE: | 11/8/0 | 5-M0/ | 2 A . | |] |



| Client: | Blagg | Project #: | 94034-010 |
|----------------------|-----------------|---------------------|-----------|
| Sample ID: | 1 @ 5' | Date Reported: | 11-10-05 |
| Laboratory Number: | 34952 | Date Sampled: | 11-08-05 |
| Chain of Custody No: | 14491 | Date Received: | 11-08-05 |
| Sample Matrix: | Soil | Date Extracted: | 11-10-05 |
| Preservative: | Cool | Date Analyzed: | 11-10-05 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | 262 | 0.2 |
| Diesel Range (C10 - C28) | 173 | 0.1 |
| Total Petroleum Hydrocarbons | 435 | 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 A #4E Production Tank Pit Grab Sample.

Analyst Daeters

Review C. Q.



| Client: | Blagg | Project #: | 94034-010 |
|--------------------|---------------|---------------------|-----------------------|
| Sample ID: | 1 @ 5' | Date Reported: | 11-10-05 |
| Laboratory Number: | 34952 | Date Sampled: | 11-08-05 |
| Chain of Custody: | 14491 | Date Received: | 11-08-05 |
| Sample Matrix: | Soil | Date Analyzed: | 11-10-05 |
| Preservative: | Cool | Date Extracted: | 11-10 - 05 |
| Condition: | Cool & Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) | |
|--------------|--------------------------|--------------------------|--|
| | | | |
| Benzene | 9.5 | 1.8 | |
| Toluene | 121 | 1.7 | |
| Ethylbenzene | 228 | 1.5 | |
| p,m-Xylene | 1,220 | 2.2 | |
| o-Xylene | 50.1 | 1.0 | |
| Total BTEX | 1.630 | | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 98.0 % |
| | 1,4-difluorobenzene | 98.0 % |
| | Bromochlorobenzene | 98.0 % |

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 A #4E Production Tank Pit Grab Sample.

Analyst

Review C. (eper



| Client: | Blagg | Project #: | 94034-010 |
|----------------|-----------------|-------------------|-----------|
| Sample ID: | 1 @ 5' | Date Reported: | 11-11-05 |
| Lab ID#: | 34952 | Date Sampled: | 11-08-05 |
| Sample Matrix: | Soil | Date Received: | 11-08-05 |
| Preservative: | Cool | Date Analyzed: | 11-11-05 |
| Condition: | Cool and Intact | Chain of Custody: | 14491 |

Parameter

Concentration (mg/Kg)

Total Chloride

94.0

Reference:

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

Comments:

Hughes A #4E Production Tank Pit Grab Sample.

Analyst Munitine Muniter

Review

<u>District I</u>
1625 N. French Dr., Hobbs, NM 88240
<u>District II</u>
1301 W. Grand Avenue, Artesia, NM 88210
<u>District III</u>
1000 Rio Brazos Road, Aztec, NM 87410

District IV

State of New Mexico Energy Minerals and Natural Resources

June 1, 2004

drilling and production facilities, submit to

Form C-144

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 \(\subseteq\) Closure of a pit or below-grade tank \(\subseteq\) Telephone: (505)-326-9200 e-mail address: BP AMERICA PROD. CO. Address: 200 ENERGY COURT, FARMINGTON, NM 87410 Facility or well name: HUGHES A #4E API#: 30-045- 25193 U/L or Qtr/Qtr J Sec 34 T 29N R 8W County: SAN JUAN Latitude 36,68017 Longitude 107.6603 NAD: 1927 🗌 1983 🛭 Surface Owner Federal 🖾 State 🔲 Private 🔲 Indian 🗍 Below-grade tank Pit Type: Drilling Production Disposal SEPARATOR Volume: bbl Type of fluid: Workover ☐ Emergency ☐ Construction materia Lined 🔲 Unlined 🛛 Double-walled, with leak of tection? Yes Liner type: Synthetic Thickness mil Clay Pit Volume Less than 50 feet (20 points) Depth to ground water (vertical distance from bottom of pit to seasonal 0 50 feet or more, but less than 100 feet (10 points) high water elevation of ground water.) 100 feet or more (0 points) Yes (20 points) Wellhead protection area: (Less than 200 feet from a private domestic 0 No (0 points) water source, or less than 1000 feet from all other water sources.) Less than 200 feet (20 points) Distance to surface water: (horizontal distance to all wetlands, playas, 200 feet or more, but less than 1000 feet (10 points) O irrigation canals, ditches, and perennial and ephemeral watercourses.) 1000 feet or more (0 points) 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: (check the onsite box if your 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) 1875767 Attach soil sample results and a diagram of sample locations and excavations. Additional Comments: PIT LOCATED APPROXIMATELY 78 FT. N71E FROM WELL HEAD. PIT EXCAVATION: WIDTH N/Aft., LENGTH N/Aft., DEPTH N/A ft. PIT REMEDIATION: CLOSE AS IS: ☒, LANDFARM: ☐, COMPOST: ☐, STOCKPILE: ☐, OTHER ☐ (explain) Cubic vards: **BEDROCK BOTTOM** 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 alternative OCD-approved plan \, 11/10/05 Date: Jeff Blagg – P.E. # 11607 PrintedName/Title 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: Printed Name/Title_EPUTY On & GAS INSPECTOR, DIST. & Signature Signature Date: FEB 2 8 2006

| <i>Q</i> D | | | NEERING | • | LOC | ATION NO: | B169Z |
|--|---|------------------------|-------------------------------|--------------------------|-------------|-------------------------------------|-------------|
| CLIENT: BP | P.O. BOX | 87, BLC 505) 63: | | , NM 874 | 113 | | 14491 |
| FIELD REPORT: PIT CLOSURE VERIFICATION PAGE No: _/_ of _/_ | | | | | | | |
| LOCATION: NAME: HUGH | | | | | DATE | STARTED: | 11/8/05 |
| QUAD/UNIT: T SEC: 34 QTR/FOOTAGE: \7505 | t | | | | ► END/10 | RONMENTAL IALIST: | NV |
| EXCAVATION APPROX | | | | | | DAGE: | NA |
| DISPOSAL FACILITY: | 07-217 | r E | REMEDIA | TION METH | OD: | CLOSE | AS 15 |
| LANDUSE: RAWEE - | Bim 1 | | | | | | DK |
| FIELD NOTES & REMAR | | | XIMATELY | | | | |
| DEPTH TO GROUNDWATER: 😕 | | | | | SURFACE WA | rer: | 000' |
| NMOCD RANKING SCORE: | NMOCD TPH C | CLOSURE STD: | 5000 PI | | | | |
| SOIL AND EXCAVATION | N DESCRIPTI | ON: | | OVM CALIB. OVM CALIB. | READ. = 5 | <u>₹. Ø</u> ppm >⊘ ppm | , RF = 0.52 |
| | | - " - 5 1 1 | | TIME: 9:5 | | | / |
| SOIL TYPE: SAND SILTY SAN | ID / SILT / SILTY C | LAY / CLAY / | GRAVEL / OTH | ER BEDRE | >CX (54 | INDSTON | €) |
| COHESION (ALL OTHERS): NON C | | | | BED COHESIVE | resex - L | / GRAY | |
| CONSISTENCY (NON COHESIVE SC | | | | / III O III V DI ACT | 210 | | • |
| PLASTICITY (CLAYS): NON PLASTI DENSITY (COHESIVE CLAYS & SILT | | | | HIGHLY PLAST | IC | | === |
| MOISTURE: DRY / SLIGHTLY MOIST | MOIST WET / SATU | JRATED / SUPE | R SATURATED | | | CLO | 3 EV) |
| DISCOLORATION/STAINING OBSER HC ODOR DETECTED (YES) NO E | VED: (YES) / NO EXPL XPLANATION - TE | ANATION - I | EST HOLE | tomple. | r surfa | <u>ce</u> , | |
| SAMPLE TYPE GRAB COMPOSITE | - # OF PTS | | | | 0 | | |
| ADDITIONAL COMMENTS: COLL BESCULO SUB | ECTED SAMY ITV FRIABLE | of Floor | BEDROCK | WEASE. | BEDROCA | - VERY | HARD |
| BOTTOM | | | | | | | |
| SCALE GAMP TR | (E) (C) (E) (E) | 1 | ELD 418.1 CALC | | In received | lnn , nn , c | |
| SAMP. TIN | ME SAMP. ID | LAB NO. | WEIGHT (g) | mL FREON | DILUTION | READING | CALC. (ppm) |
| 0 FT | | | - | | | | |
| PIT PERIMET | ER AN | · | | | PITF | ROFIL | E |
| SEP. | , | | NVM | | | | |
| | | SAMPLE | ADING FIELD HEADSPACE | | | | |
| 21 | | 1@ 5" | (ppm) 29 (| | | | |
| BERM | , | 2 @ 3 @ | | | | | |
| 1.000 | 7 7 | 4@ | | | | | |
| | | 5 @ | | \dashv , | (A) | 0011- | 0015 |
| | 20' | | |] / | VOT A | PICIO | 7000 |
| | | | | | | | |
| | <u> </u> | | | - | | | |
| | | SAMPLE | SAMPLES | | | | |
| 1 | Į | DES' TR | NALYSIS TIME H (80158) 091 | | | | |
| | | | EX(80218) " | _ | | | |
| P.D. = PIT DEPRESSION; B.G. = BELOW | / GRADE: B = BFI OW | | 5580) | | | | |
| T.H. = TEST HOLE; ~ = APPROX.; T.B. = | TANK BOTTOM | | | 1 , , , | | | |
| TRAVEL NOTES: CALLOUT | 11/7/05-1 | FTER. | ONSITE: _ | 11/8/05 | -morn. | | |



| Client: | Blagg | Project #: | 94034-010 |
|----------------------|-----------------|---------------------|-----------|
| Sample ID: | 1 @ 5' | Date Reported: | 11-10-05 |
| Laboratory Number: | 34953 | Date Sampled: | 11-08-05 |
| Chain of Custody No: | 14491 | Date Received: | 11-08-05 |
| Sample Matrix: | Soil | Date Extracted: | 11-10-05 |
| Preservative: | Cool | Date Analyzed: | 11-10-05 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | 103 | 0.2 |
| Diesel Range (C10 - C28) | 80.6 | 0.1 |
| Total Petroleum Hydrocarbons | 184 | 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 A #4E Separator Pit Grab Sample.

Analyst Walles

Review C. Opping



| Client: | Blagg | Project #: | 94034-010 |
|--------------------|---------------|---------------------|-----------|
| Sample ID: | 1 @ 5' | Date Reported: | 11-10-05 |
| Laboratory Number: | 34953 | Date Sampled: | 11-08-05 |
| Chain of Custody: | 14491 | Date Received: | 11-08-05 |
| Sample Matrix: | Soil | Date Analyzed: | 11-10-05 |
| Preservative: | Cool | Date Extracted: | 11-10-05 |
| Condition: | Cool & Intact | Analysis Requested: | BTEX |

| | Concentration | Det. Limit | |
|--------------|---------------|---------------|--|
| Parameter | (ug/Kg) | (ug/Kg) | |
| Benzene | 51.0 | 1.8 | |
| Toluene | 229 | 1.7 | |
| Ethylbenzene | 1,670 | 1.5 | |
| p,m-Xylene | 1,540 | 2.2 | |
| o-Xylene | 546 | 1.0 | |
| Total BTEX | 4,040 | | |

ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 97.0 % |
| | 1,4-difluorobenzene | 97.0 % |
| | Bromochlorobenzene | 97.0 % |

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 A #4E Separator Pit Grab Sample.

Mister m Walters
Analyst

Roview C. Gencer



| Client: | Blagg | Project #: | 94034-010 |
|----------------|-----------------|-------------------|-------------------|
| Sample ID: | 1 @ 5' | Date Reported: | 11-11-05 |
| Lab ID#: | 34953 | Date Sampled: | 11 - 08-05 |
| Sample Matrix: | Soil | Date Received: | 11-08-05 |
| Preservative: | Cool | Date Analyzed: | 11-11-05 |
| Condition: | Cool and Intact | Chain of Custody: | 14491 |
| | | | |

Parameter

Concentration (mg/Kg)

Total Chloride

92.0

Reference:

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

Comments:

Hughes A #4E Separator Pit Grab Sample.

Mistre Mualters
Analyst

Review