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
June 1, 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 e-mail address:
Address: 200 ENERGY COURT, FARMINGTON, NM 87410
Facility or well name: SMYERS COM LS #1 API #: 30-045- 11002 U/L or Qtr/Qtr M Sec 2 T 31N R 11W
County: SAN JUAN Latitude 36.92353 Longitude 107.96461 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

RCVD APR 5 '07
OIL CONS. DIV.
DIST. 3

| **Pit** | **Below-grade tank** |
|---|---|
| Type: Drilling ☐ Production ☒ Disposal ☐ PROD. TANK<br>Workover ☐ Emergency ☐<br>Lined ☒ Unlined ☐ STEEL TANK<br>Liner type: Synthetic ☐ Thickness _____mil Clay ☐<br>Pit Volume _____bbl | Volume: _____bbl Type of fluid: N/A<br>Construction material:<br>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<br>50 feet or more, but less than 100 feet<br>100 feet or more | (20 points)<br>(10 points)<br>( 0 points) | 10 |
| Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.) | Yes<br>No | (20 points)<br>( 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<br>200 feet or more, but less than 1000 feet<br>1000 feet or more | (20 points)<br>(10 points)<br>( 0 points) | 20 |
| | **Ranking Score (Total Points)** | | 30 |

**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 153 FT. N26E FROM WELL HEAD.
PIT EXCAVATION: WIDTH N/Aft., LENGTH N/Aft., DEPTH N/Aft. .
PIT REMEDIATION: CLOSE AS IS: ☒, LANDFARM: ☐, COMPOST: ☐, STOCKPILE: ☐, OTHER ☐ (explain)
Cubic yards: N/A

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 ☒.**

Date: 07/5/06

PrintedName/Title Jeff Blagg – P.E. # 11607 Signature Jeffrey a 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, District #3 Signature Brandon Powell Date: AUG 0 2 2007

30-045-11002 36.92353 x 107.96961 VUL

CLIENT: BP

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

LOCATION NO: B1780
COCR NO: HALL

# FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: SMYERS COM LS WELL #: 1 TYPE: TANK DRAIN
QUAD/UNIT: M SEC: 2 TWP: 31N RNG: 11W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1190 FSL x 1015 FWL SWSW CONTRACTOR: HDI (ONOFRE)

DATE STARTED 6/19/06
DATE FINISHED 6/19/06
ENVIRONMENTAL SPECIALIST: JCB

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: 0
DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS IS
LAND USE: RANGE - BLM LEASE: NM073245 FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 153 FT. N26E FROM WELLHEAD.
DEPTH TO GROUNDWATER: >50 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: <200
NMOCD RANKING SCORE: 20+ NMOCD TPH CLOSURE STD: 100 PPM

OVM CALIB. READ. = 51.9 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 0820 am/pm DATE: 6/19

## SOIL AND EXCAVATION DESCRIPTION:

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER
SOIL COLOR: LITE 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 -
HC ODOR DETECTED: YES / NO EXPLANATION -
SAMPLE TYPE. GRAB / COMPOSITE - # OF PTS. -
ADDITIONAL COMMENTS: 21 BBL Steel tank set to GRADE. USE Backhoe to Pull tank & SAMPLE. No evidence of contamination

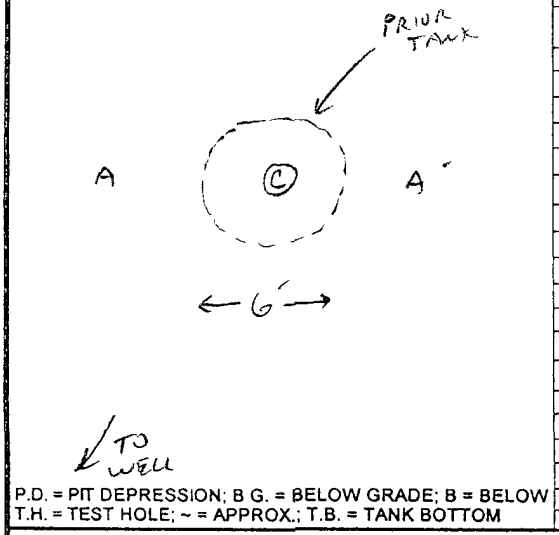
CLOSED

FIELD 418.1 CALCULATIONS

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

SCALE 0 FT

## PIT PERIMETER




OVM READING

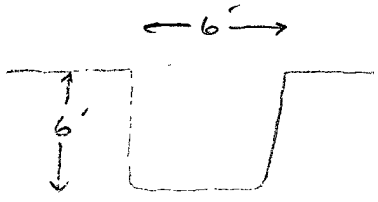
| SAMPLE ID | FIELD HEADSPACE (ppm) |
|---|---|
| 1 @ | |
| 2 @ | |
| 3 @ | |
| 4 @ | |
| 5 @ | |
| C @ 9' | 0.0 |

LAB SAMPLES

| SAMPLE ID | ANALYSIS | TIME |
|---|---|---|
| C @ 9' | T/B/Cl | 1155 |
| | PASSED | |

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

## PIT PROFILE




TRAVEL NOTES: CALLOUT: ONSITE: 6/19/06

revised: 09/04/02 bei1005C.skf

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *05-Jul-06*

| | | | |
|---|---|---|---|
| **CLIENT:** | Blagg Engineering | **Client Sample ID:** | C @ 9' |
| **Lab Order:** | 0606225 | **Collection Date:** | 6/19/2006 11:55:00 AM |
| **Project:** | Smyers COM LS #1 | **Date Received:** | 6/21/2006 |
| **Lab ID:** | 0606225-01 | **Matrix:** | SOIL |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015B: DIESEL RANGE ORGANICS** | | | | | | Analyst: **SCC** |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 6/29/2006 9:27:12 AM |
| Surr: DNOP | 101 | 61.7-135 | | %REC | 1 | 6/29/2006 9:27:12 AM |
| **EPA METHOD 8015B: GASOLINE RANGE** | | | | | | Analyst: **HLM** |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 6/23/2006 7:07:07 PM |
| Surr: BFB | 93.1 | 81.7-127 | | %REC | 1 | 6/23/2006 7:07:07 PM |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **HLM** |
| Benzene | ND | 0.050 | | mg/Kg | 1 | 6/23/2006 7:07:07 PM |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 6/23/2006 7:07:07 PM |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 6/23/2006 7:07:07 PM |
| Xylenes, Total | ND | 0.15 | | mg/Kg | 1 | 6/23/2006 7:07:07 PM |
| Surr: 4-Bromofluorobenzene | 87.9 | 76.8-115 | | %REC | 1 | 6/23/2006 7:07:07 PM |
| **EPA METHOD 9056A: ANIONS** | | | | | | Analyst: **MAP** |
| Chloride | 9.6 | 1.5 | | mg/Kg | 5 | 6/29/2006 6:40:22 AM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| S | Spike Recovery outside accepted recovery limits | | |

# CHAIN-OF-CUSTODY RECORD

QA / QC Package:
Std ☐ Level 4 ☐
Other:


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345 3975 Fax 505.345.4107
www.hallenvironmental com


Client: Blagg Engr.

Project Name: Smyers Com LS #1

Address: P.O. Box 87
Bloomfield, NM 87413

Project #:

Project Manager: J-C. Blagg

Phone #: 505-632-1199

Sampler: J.C. Blagg

Fax #:

Sample Temperature: 4°

## ANALYSIS REQUEST

| Date | Time | Matrix | Sample I.D. No. | Number/Volume | Preservative $HgCl_2$ | Preservative $HNO_3$ | Preservative | HEAL No. 060225 | BTEX + ~~MTBE + TMB's~~ (8021) | BTEX + MTBE + TPH (Gasoline Only) | TPH Method 8015B (Gas/Diesel) | TPH (Method 418.1) | EDB (Method 504.1) | EDC (Method 8021) | 8310 (PNA or PAH) | RCRA 8 Metals | Anions (F, Cl, $NO_3$, $NO_2$, $PO_4$, $SO_4$) | 8081 Pesticides / PCB's (8082) | 8260B (VOA) | 8270 (Semi-VOA) | Chloride | | | | Air Bubbles or Headspace (Y or N) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/19/06 | 1155 | soil | C@9' | 1-4oz | | | | -1 | X | | X | | | | | | | | | | X | | | | |

| Date | Time | Relinquished By: (Signature) | Received By: (Signature) |
|---|---|---|---|
| 6/21/06 | 0730 | J-C Blagg | D Mahoppa 6-21-06 1615 |
| Date: | Time: | Relinquished By: (Signature) | Received By: (Signature) |

Remarks:

# QA/QC SUMMARY REPORT

**Client:** Blagg Engineering
**Project:** Smyers COM LS #1 **Work Order:** 0606225

| Analyte | Result | Units | PQL | %Rec | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Method: E300** | | | | | | | | | |
| **Sample ID: MB-10701** | | *MBLK* | | | Batch ID: **10701** | | Analysis Date: | | 6/29/2006 12:52:14 AM |
| Chloride | ND | mg/Kg | 0.30 | | | | | | |
| **Sample ID: LCS-10701** | | *LCS* | | | Batch ID: **10701** | | Analysis Date: | | 6/29/2006 1:09:39 AM |
| Chloride | 14.51 | mg/Kg | 0.30 | 96.7 | 90 | 110 | | | |
| **Method: SW8015** | | | | | | | | | |
| **Sample ID: MB-10699** | | *MBLK* | | | Batch ID: **10699** | | Analysis Date: | | 6/29/2006 5:38:57 AM |
| Diesel Range Organics (DRO) | ND | mg/Kg | 10 | | | | | | |
| **Sample ID: LCS-10699** | | *LCS* | | | Batch ID: **10699** | | Analysis Date: | | 6/29/2006 6:12:13 AM |
| Diesel Range Organics (DRO) | 33.90 | mg/Kg | 10 | 67.8 | 64.6 | 116 | | | |
| **Sample ID: LCSD-10699** | | *LCSD* | | | Batch ID: **10699** | | Analysis Date: | | 6/29/2006 6:44:45 AM |
| Diesel Range Organics (DRO) | 39.42 | mg/Kg | 10 | 78.8 | 64.6 | 116 | 15.1 | 17.4 | |
| **Method: SW8015** | | | | | | | | | |
| **Sample ID: MB-10674** | | *MBLK* | | | Batch ID: **10674** | | Analysis Date: | | 6/23/2006 4:12:18 PM |
| Gasoline Range Organics (GRO) | ND | mg/Kg | 5.0 | | | | | | |
| **Sample ID: LCS-10674** | | *LCS* | | | Batch ID: **10674** | | Analysis Date: | | 6/23/2006 4:41:30 PM |
| Gasoline Range Organics (GRO) | 17.50 | mg/Kg | 5.0 | 70.0 | 73.4 | 115 | | | S |
| **Method: SW8021** | | | | | | | | | |
| **Sample ID: MB-10674** | | *MBLK* | | | Batch ID: **10674** | | Analysis Date: | | 6/23/2006 4:12:18 PM |
| Benzene | ND | mg/Kg | 0.050 | | | | | | |
| Toluene | ND | mg/Kg | 0.050 | | | | | | |
| Ethylbenzene | ND | mg/Kg | 0.050 | | | | | | |
| Xylenes, Total | ND | mg/Kg | 0.15 | | | | | | |
| **Sample ID: LCS-10674** | | *LCS* | | | Batch ID: **10674** | | Analysis Date: | | 6/23/2006 4:41:30 PM |
| Benzene | 0.2596 | mg/Kg | 0.050 | 81.1 | 77.5 | 123 | | | |
| Toluene | 1.564 | mg/Kg | 0.050 | 76.7 | 85.3 | 129 | | | S |
| Ethylbenzene | 0.3360 | mg/Kg | 0.050 | 86.2 | 79.6 | 121 | | | |
| Xylenes, Total | 1.911 | mg/Kg | 0.15 | 91.0 | 80 | 130 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| R | RPD outside accepted recovery limits | S | Spi 2 / 3overy outside accepted recovery limits |

## Hall Environmental Analysis Laboratory, Inc.

### Sample Receipt Checklist

Client Name BLAGG | Date and Time Received: 6/21/2006

Work Order Number 0606225 | Received by GLS

Checklist completed by _____ 6-21-06
Signature | Date

Matrix | Carrier name Greyhound

| | | | | |
|---|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ | |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ | Not Shipped ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | N/A ☑ | |
| Chain of custody present? | Yes ☑ | No ☐ | | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | | |
| Sample containers intact? | Yes ☑ | No ☐ | | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | | |
| All samples received within holding time? | Yes ☑ | No ☐ | | |
| Water - VOA vials have zero headspace? | No VOA vials submitted ☑ | Yes ☐ | No ☐ | |
| Water - pH acceptable upon receipt? | Yes ☐ | No ☐ | N/A ☑ | |

Container/Temp Blank temperature? **4°** *4° C ± 2 Acceptable* If given sufficient time to cool.

COMMENTS:

---

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____