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 For drilling and production facilities, submit to appropriate NMOCD District Office For downstream facilities, submit to Santa Fe office

Date: AUG 1 0 2007

Form C-144

June 1, 2004

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 Operator BP America Production Company Address 200 Energy Ct, Farmington, NM 87401 Sec 4 T 3/ NR 11 W Facility or well name NEIL A #8A API#:30045 ZZ816 U/L or Otr/Otr County San Juan Longitude Surface Owner Federal State Private Indian Below-grade tank Type Drilling Production X Disposal Volume: bbl Type of fluid Construction material Lined 🗌 Unlined 🔀 Double-walled, with leak detection? explain why not Liner type Synthetic Thickness ____mil Clay Pit Volume _____bbl Less than 50 feet (20 points) Depth to ground water (vertical distance from bottom of pit to seasonal 50 feet or more, but less than 100 feet (10 points) 0 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 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) irrigation canals, ditches, and perennial and ephemeral watercourses) 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 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: Nor 1 fyes, show depth below ground surface ft and attach sample results RCVD JUN13'07 (5) Attach soil sample results and a diagram of sample locations and excavations Additional Comments MIL CONS. DIV. DIST. 3 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 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 Deputy Oil & Gas Inspector, Approval

District #3

Printed Name/Title

CLIENT: BP P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 COCR NO: 1/663 FIELD REPORT: PIT CLOSURE VERIFICATION PAGE NO: / of / LOCATION: NAME NELL A WELL SA TYPE PENY SEP. QUADUNIT. J SEC Y TWP. 3W RNG ILW PM NM CNTY. ST ST: NM OTRIFOOTAGE: \Sob S / 1665 E NW SE CONTRACTOR: HOT (7082403) SEPCIALIST: NW EXCAVATION APPROX. NA FT. X NA FT. X NA FT. DEEP. CUBIC YARDAGE: NA DISPOSAL FACILITY: ON SITE REMEDIATION METHOD: CLOSE 65 /5 LAND USE: LONGE BAM LEASE: SE 07805 / FORMATION: MV FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY LOS FT. N1 S FROM WELLHEAD. DEPTH TO GROUNDWATER 2/00 NEAREST WATER SOURCE 2/00 NEAREST SURFACE WATER SOIL AND EXCAVATION DESCRIPTION: OVM CALIB. GAS: /00 ppm RF=0.52 TIME 10:10 (ppm DATE: 2/2004) SOIL AND EXCAVATION DESCRIPTION: OVM CALIB. GAS: /00 ppm DATE: 2/2004 SOIL TYPE: SAND / SLTX SAND SILT / SLTX CLAY / GRAVEL / OTHER SOIL COOR T. CONT TO SUM THE MEDIUM PLASTIC / HIGHLY COHESIVE COMSISTENCY (NON COHESIVE SOILS): LOOSE / FISH / DESNEY / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE / FISH / DESNEY / HERDIW PLASTIC / HIGHLY PLASTIC COMSISTENCY (NON COHESIVE SOILS): LOOSE / FISH / STEPLY STIFF / HARD MOISTURE DRY / SLIGHTLY MOIST / MOIST / MEDIUM PLASTIC / HERDIW PLASTIC / HIGHLY PLASTIC CONSISTENCY (NON COHESIVE SOILS): LOOSE / FISH / STEPLY STIFF / HARD MOISTURE DRY / SLIGHTLY MOIST / MOIST / MEDIUM PLASTIC / HERDIW PLASTIC / HIGHLY PLASTIC CONSISTENCY (NON COHESIVE SOILS): LOOSE / FISH / STEPLY STIFF / HARD MOISTURE DRY / SLIGHTLY MOIST / MOIST / MEDIUM PLASTIC / HERDIW PLASTIC / HIGHLY PLASTIC COMSISTENCY (NON COHESIVE SOILS): LOOSE / FISH / STEPLY STIFF / HARD MOISTURE DRY / SLIGHTLY MOIST / MOIST / MEDIUM PLASTIC / HERDIW PLASTIC / HIGHLY PLASTIC / DEDISTRY (COMESIVE SOILS): LOOSE / FISH / STEPLY STIFF / HARD MOISTURE DRY / SLIGHTLY MOIST / MOIST / MEDIUM PLASTIC / HERDIW PL
FIELD REPORT: PIT CLOSURE VERIFICATION PAGE NO: / of / LOCATION: NAME: NEIL A WELL & A TYPE PENT SEP. DATE STARTED Z/20/09 QUADJUNIT: J SEC Y TWP: 3W RNG IIW PM NM CNTY: ST ST. NM QTR/FOOTAGE: 1500 S 1/665 E NW SE CONTRACTOR: MOT TO APPAIN. EXCAVATION APPROX. NA FT. X NA FT. X NA FT. DEEP. CUBIC YARDAGE: NA: DISPOSAL FACILITY: DA-STY REMEDIATION METHOD: CLOSE AS /S LAND USE: DAJGE - B.M. LEASE: SE 07805/ FORMATION: MV FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 105 FT. N1E FROM WELLHEAD. DEPTH TO GROUNDWATER NOON NEAREST WATER SOURCE. NEAREST SURFACE WATER NOW CALIB. GAS = 1/00 ppm NMOCD RANKING SCORE. NAMOCD THA CLOSURE STD. SOOO PPM SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE: SAND / SITY SAND SILT / SITY CLAD/ CLAY / GRAVEL / OTHER SOIL COLOR CT. GEAY TO SANCK COMSISTENCY (NON COHESIVE / PEGFITTY POTESIVE) COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE (FIBM) DENSE / VERY DENSE PLASTICITY (CLAYS) NON PLASTIC / SUFFITIVE POTESIVE OCHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COMESIVE CLAYS & SILTS): SOFT (PROMESIPE PORSE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COMESIVE CLAYS & SILTS): SOFT (PROMESIPE PORSE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COMESIVE CLAYS & SILTS): SOFT (PROMESIPE PORSE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COMESIVE CLAYS & SILTS): SOFT (PROMESIPE PORSE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COMESIVE CLAYS & SILTS): SOFT (PROMESIPE PORSE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COMESIVE CLAYS & SILTS): SOFT (PROMESIPE PORSE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COMESIVE CLAYS & SILTS): SOFT (PROMESIPE PORSE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COMESIVE CLAYS & SILTS): SOFT (PROMESIPE PORSE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COMESIVE CLAYS & SILTS): SOFT (PROMESIPE PORSE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COMESIVE CLAYS & SILTS): SOFT (PROMESIPE PORSE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COMESIVE PORSE / MEDIUM PLASTIC / HIGHLY COMESIVE DENSITY (COMESIVE PORSE / MEDIUM PLASTIC / HIG
FIELD REPORT: PIT CLOSURE VERIFICATION PAGE NO: / of / DATE STARTED Z/20/09 DATE Z/2
QUADIUNIT J SEC Y TWP. 3 W RNS ILW PM NY CNTY: ST ST. NY OTRIFOOTAGE: 1805 1665 E NWISE CONTRACTOR: HOT (TORDIU) EXCAVATION APPROX. NA FT. X NA FT. X NA FT. DEEP. CUBIC YARDAGE: NA DISPOSAL FACILITY: DA-SITE REMEDIATION METHOD: CLOSE AS /S LAND USE: LANGE BM LEASE: SF 07805 / FORMATION: MV FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY LOS FT. NIE FROM WELLHEAD. DEPTH TO GROUNDWATER 100 NAMEST WATER SOURCE. 100 NAMEST SURFACE WATER 1000 PPM SOIL AND EXCAVATION DESCRIPTION: OVM CALIB READ = 51.9 ppm ON CALIB. GAS = 100 ppm RF = 0.52 TIME LOTIO (SITE OF PTS. ON COHESIVE / PIGHTLY COHESIVE OF PISSOIL (ALL OTHERS): NON COHESIVE / PIGHTLY COHESIVE OF PISSOILS): LOOSE (LEM DENSE / VERY DENSE PLASTICITY (CLAYS) NON PLASTIC (TEGHTLY PLASTIC) COHESIVE (LOSE & SILTS): SOIT (FIRM STEEP LEAR STIFFT HARD DISCOLORATION): STATURATED OF PISSOIL COMPOSITE A OF PTS. ADDITIONAL COMMENTS: MO EXPLANATION. TEST HOLE A DUM SANCE SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (B) IN LFREON DILUTION READING CALC. (ppm) FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (B) IN LFREON DILUTION READING CALC. (ppm)
QUADUNIT J SEC Y TWP: \$W RNO (IW PM NIV CNTY: \$ ST. NYY) QTRIFOOTAGE: 1800 1665
OTRIFOOTAGE: 1800'S 1665'E NOISE CONTRACTOR: HOT (TORDUN) SPECIALIST: NV EXCAVATION APPROX. DA FT. X DA FT. X DA FT. DEEP. CUBIC YARDAGE: NA. DISPOSAL FACILITY: DA-SITE REMEDIATION METHOD: CLOSE 65 /5 LAND USE: LANGE - BLAM LEASE: SE 07805/ FORMATION: MV FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY LOS FT. NAIE FROM WELLHEAD. DEPTH TO GROUNDWATER 100' NEAREST WATER SOURCE 2/000' NEAREST SURFACE WATER 2/000' NMOCD RANKING SCORE. D. NMOCD TPH CLOSURE STD. S000 PPM SOIL AND EXCAVATION DESCRIPTION: OVM CALIB READ = 51.9 ppm OVM CALIB. GAS = /000 ppm RF = 0.52 TIME. LO:LO GIPPM DATE: ZIZOLOU SOIL TYPE: SAND SILTY SAND SILT / SILTY CLAD/ CLAY / GRAVEL / OTHER SOIL COLOR CT. GRAY TO BLASTIC / SUGSTILY COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE/FIBM DENSE / VERY DENSE PLASTICITY (CLAYS): NON PLASTIC / SUGSTILY SOFT (FIRM METITE PURPLY STIFF / HARD MOISTURE DRY / SLIGHTLY MOIST /
DISPOSAL FACILITY: DRIPTING ROUNDWATER SIMPLE SEMANT LEASE: DEPTH TO GROUNDWATER SIMPLE SOURCE SIMPLE SOURCE SIMPLE SOURCE SOURCE SIMPLE SOURCE SOU
LEASE: SF 07805/ FORMATION: MV FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 105 FT. N115 FROM WELLHEAD. DEPTH TO GROUNDWATER 100 NEAREST WATER SOURCE. 2000/ NEAREST SURFACE WATER 2000/ NMOCD RANKING SCORE. NMOCD THY CLOSURE STD. 5000 PPM SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE: SAND / SILTY SAND SILT / SILTY CLAD/ CLAY / GRAVEL / OTHER SOIL COLOR TO BROKK COHESION (ALL OTHERS): NON COHESIVE / BUGNITY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE (FIRM DENSE / VERY DENSE PLASTICITY (CLAYS) NON PLASTIC / SIGHTLY PLASTIC COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DEPOSITY (COHESIVE CLAYS & SILTS): SOFT (FIRM STIFE / VERY STIFF / HARD MOISTURE DRY / SLIGHTLY MOIST (MOST (MED) SATURATED) DISCOLORATION/STAINING OBSERVED. (FS) NO EXPLANATION - TOTAR TEST HOLE HO ODOR DETECTED (TS) NO EXPLANATION - TOTAR TEST HOLE ADDITIONAL COMMENTS. MARCH SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 105 FT. N1E FROM WELLHEAD. DEPTH TO GROUNDWATER >/50' NEAREST WATER SOURCE. >/500' NEAREST SURFACE WATER >/500' NMOCD RANKING SCORE. O NMOCD TPH CLOSURE STD. 500 PPM SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE: SAND / SILTY SAND SILT / SILTY CLAD/ CLAY / GRAVEL / OTHER SOIL COLOR SOIL COLOR SOIL OTHERS): NON COHESIVE / SIGNITY COHESIVE COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE (FIRM STIED COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE (FIRM STIED VERY DENSE / VERY DENSITY (COHESIVE CLAYS & SILTS): SOFT (FIRM STIED VERY SITEF / HARD MOISTURE DRY / SLIGHTLY MOIST / MOIST (WE) SATURATED (UPER SATURATED) DISCOLORATION/STAINING OBSERVED: (TES) NO EXPLANATION: LATTICE TEST HOLE SAMPLE TYPE (GRAD COMPOSITE: # OF PTS. ADDITIONAL COMMENTS. FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) ML FREON DILUTION READING CALC. (ppm) O FT
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NMOCD RANKING SCORE. O NMOCD TPH CLOSURE STD. SOIL AND EXCAVATION DESCRIPTION: OVM CALIB READ = 51.9 ppm OVM CALIB. GAS = /Oo ppm RF = 0.52 TIME. LO:LO (appm DATE: 2 2004 SOIL TYPE: SAND / SILTY SAND) SILT / SILTY CLAY / GRAVEL / OTHER SOIL COLOR O'N CALIB. GAS = /Oo ppm RF = 0.52 TIME. LO:LO (appm DATE: 2 2004 SOIL TYPE: SAND / SILTY SAND) SILT / SILTY CLAY / GRAVEL / OTHER SOIL COLOR O'N CALIB. READ = 51.9 ppm OVM CALIB. GAS = /Oo ppm RF = 0.52 TIME. LO:LO (appm) DATE: 2 2 2004 SOIL TYPE: SAND / SILTY SAND SILT / SILTY CLAY / GRAVEL / OTHER SOIL COLOR O'N CALIB. READ = 51.9 ppm OVM CALIB. READ = 51.9 ppm OVM CALIB. READ = 51.9 ppm OVM CALIB. GAS = /Oo ppm RF = 0.52 TIME. LO:LO (appm) DATE: 2 2 2004 SOIL TYPE: SAND / SILTY SAND SILTY CLAY / GRAVEL / OTHER SOIL COLOR TO SOIL LOSS (IBM) DENSE / VERY DENSE COHESION (ALL OTHERS): NON COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE / SOILS): LOOSE (IBM) DENSE / VERY DENSE PLASTICITY (CLAYS) NON PLASTIC / SIGHTLY PLASTIC COHESIVE / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT (FIRM STIFE PVERY STIFF / HARD MOISTURE DRY / SIGHTLY MOIST / MOIST (MET) SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: (FED) NO EXPLANATION - TEST HOLE HO ODOR DETECTED (FED) NO EXPLANATION - TEST HOLE HO ODOR DETECTED (FED) NO EXPLANATION - TEST HOLE HO ODOR DETECTED (FED) NO EXPLANATION - TEST HOLE HO ODOR DETECTED (FED) NO EXPLANATION - TEST HOLE SAMPLE TYPE (GRAB) COMPOSITE # OF PTS. ADDITIONAL COMMENTS. MARCH (B) ML FREON DILUTION READING CALC. (ppm) O FT
SOIL AND EXCAVATION DESCRIPTION: OVM CALIB READ = 51.9 ppm OVM CALIB. GAS = 100 ppm DATE 2 2004 SOIL TYPE: SAND / SILTY SAND SILT / SILTY CLAY / GRAVEL / OTHER SOIL COLOR TO BOAY TO BUNCK COHESION (ALL OTHERS): NON COHESIVE / BIGHTLY COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE FEM DENSE / VERY DENSE PLASTICITY (CLAYS) NON PLASTIC / SIGHTLY PLASTIC COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT FEM DENSE / VERY DENSE PLASTICITY (CLAYS) NON PLASTIC / SIGHTLY PLASTIC COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT FEM DETECTION OF SATURATED MOISTURE DRY / SLIGHTLY MOIST / MOIST (MED) SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: (TES) NO EXPLANATION - TOTAL TEST HOLE HIGH ODOR DETECTED (TES) NO EXPLANATION - TOTAL TEST HOLE SAMPLE TYPE (GRAP) COMPOSITE # 0F PTS. ADDITIONAL COMMENTS. / MINISTED SOIL WAS DIWITED A REPORTED & LEFT IN PLACE. FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) O FT
SOIL AND EXCAVATION DESCRIPTION: OVM CALIB, GAS = 100 ppm RF = 0.52 TIME. 10:10 (ampm DATE: 2 2004) SOIL TYPE: SAND / SILTY SAND SILT / SILTY CLAD/ CLAY / GRAVEL / OTHER SOIL COLOR CT. GROY TO BURCH COHESION (ALL OTHERS): NON COHESIVE / SIGHTLY COHESIVE COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE (FIRM DESIVE / VERY DENSE PLASTICITY (CLAYS) NON PLASTIC / SIGHTLY PLASTIC COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT (FIRM STIFE / VERY STIFF / HARD MOISTURE DRY / SLIGHTLY MOIST / MOIST (MED) SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: (FES) NO EXPLANATION - TEST HOLE HIC ODOR DETECTED (FES) NO EXPLANATION - TEST HOLE / DUM SAN PLE SAMPLE TYPE (GRAB COMPOSITE - # OF PTS. ADDITIONAL COMMENTS. // MONOTED SOIL WAS DIWITED A REPORTED & LEFT IN PLACE. FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) ML FREON DILUTION READING CALC. (ppm) O FT
SOIL TYPE: SAND / SILTY SAND SILT / SILTY CLAD / CLAY / GRAVEL / OTHER SOIL COLOR T. GRAY TO BURCK COHESION (ALL OTHERS): NON COHESIVE / SIGHTLY COHESIVE COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE (LEBM) DENSE / VERY DENSE PLASTICITY (CLAYS) NON PLASTIC / SIGHTLY PLASTIC COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT (FIRM STIFE VERY STIFF / HARD MOISTURE DRY / SLIGHTLY MOIST /
SOIL COLOR T. GRAY TO BUNCK COHESION (ALL OTHERS): NON COHESIVE / STIGHTLY COHESIVE COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSET FRIM DENSE / VERY DENSE PLASTICITY (CLAYS) NON PLASTIC / STIGHTLY PLASTIC COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT FRIM STIFE PVERY STIFF / HARD MOISTURE DRY / SLIGHTLY MOIST / MOIST (WET) SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: (TES) NO EXPLANATION - TOTTING TEST HOLE HO ODOR DETECTED TES/NO EXPLANATION - TEST HOLE / OUM SAMPLE SAMPLE TYPE (GRAB) COMPOSITE - # OF PTS. ADDITIONAL COMMENTS. // MARCHED SOIL WAS DIWITED A REPORTED & LEFT IN PURCE. FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) O FT
COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE FEW DENSE / VERY DENSE PLASTICITY (CLAYS) NON PLASTIC / SLIGHTLY PLASTIC COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT (FIRM STIFE) VERY STIFF / HARD MOISTURE DRY / SLIGHTLY MOIST / MOIST (WET) SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: (FES) NO EXPLANATION - TOTAL TO THE TEST HOLE HIC ODOR DETECTED (FES) NO EXPLANATION - TEST HOLE / OUM SAMPLE SAMPLE TYPE (GRAB) COMPOSITE - # OF PTS. ADDITIONAL COMMENTS. MINOCITAL SOIL WAS DIWITED & REPORTED & LEFT IN PLACE. FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) O FT
PLASTICITY (CLAYS) NON PLASTIC / SCIGHTLY PLASTIC COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT FIRM STIFF / VERY STIFF / HARD MOISTURE DRY / SLIGHTLY MOIST / MOIST (WED) SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: (TES) NO EXPLANATION - TOTAL TEST HOLE HIC ODOR DETECTED (TES) NO EXPLANATION - TEST HOLE / OUM SAN PLE SAMPLE TYPE (GRAB) COMPOSITE - # OF PTS. ADDITIONAL COMMENTS. /MPROTED SOIL WAS DIWITED & REPLATED / LEFT IN PLACE. FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) O FT
DENSITY (COHESIVE CLAYS & SILTS): SOFT (FIRM STIFE VERY STIFF / HARD MOISTURE DRY / SLIGHTLY MOIST / MOIST (WET) SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: YES) NO EXPLANATION - THAT HOLE I DUM SHAPE HC ODOR DETECTED YES/NO EXPLANATION - THAT HOLE I DUM SHAPE SAMPLE TYPE (GRAB) COMPOSITE - # OF PTS. ADDITIONAL COMMENTS. / MINOTED SOIL WAS DIWITED A REPORTED I LEFT IN PLACE. FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) ML FREON DILUTION READING CALC. (ppm) O FT
DISCOLORATION/STAINING OBSERVED: (FES) NO EXPLANATION - THAT TEST HOLE A OUT SAN PLE HC ODOR DETECTED (FES) NO EXPLANATION - TEST HOLE A OUT SAN PLE SAMPLE TYPE (GRAB) COMPOSITE - # OF PTS ADDITIONAL COMMENTS. IMPOSTED SOIL WAS DIWITED A REPORTED & LEFT IN PLACE. FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) 0 FT
FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)
FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)
SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)
SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)
0 FT
PIT PERIMETER OVM
READING
WATER P.V; ID (ppm)
7 / 8.6 2@
3@ 4@
SERM T 4@ NOT APPLICABLE
18
LAB SAMPLES SAMPLE ANALYSIS TIME
HEAD T.H.
BTEX (SOZIE)
(BOTH PROJED)
P.D. = PIT DEPRESSION, B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM
TRAVEL NOTES: CALLOUT: 2/19/04 - LATE AFTER. ONSITE: 2/20/04 - MORN. (SCHEDINGED)



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 10'	Date Reported:	02-23-04
Laboratory Number:	27870	Date Sampled:	02-20-04
Chain of Custody No:	11663	Date Received:	02-20-04
Sample Matrix:	Soil	Date Extracted:	02-23-04
Preservative:	Cool	Date Analyzed:	02-23-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)		
Gasoline Range (C5 - C10)	134	0.2		
Diesel Range (C10 - C28)	ND	0.1		
Total Petroleum Hydrocarbons	134	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:

Neil A #8A Dehydrator/Separator Pit G

Grab Sample.

De C. Cellum Analyst

Mistine m Walters
Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 10'	Date Reported:	02-23-04
Laboratory Number:	27870	Date Sampled:	02-20-04
Chain of Custody:	11663	Date Received:	02-20-04
Sample Matrix:	Soil	Date Analyzed:	02-23-04
Preservative:	Cool	Date Extracted:	02-23-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	281	1.8	
Toluene	1,930	1.7	
Ethylbenzene	558	1.5	
p,m-Xylene	2,240	2.2	
o-Xylene	1,040	1.0	
Total BTEX	6,050		

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:

Neil A #8A Dehydrator/Separator Pit Grab Sample.

Analyst C- Open

District |
P.O. Bes 1984, Rebbs, KM
District |
Description |

1000 Ris Brian Rd., Astec, KM

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State of New Mexico Energy, Minerals and Natural Resources Department

SUBMIT I COPY TO
APPROPRIATE
DISTRICT OFFICE
AND I COPY TO
SANTA PE OFFICE

OIL CONSERVATION DIVISION P.O. BOX 2088 SANTA FE, NEW MEXICO 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

Operator: BP AMERICA PRODUCTION	ON CO.	Te	elephone: (505) 3	326-9200			
Address: 200 ENERGY COURT, FAR	Address: 200 ENERGY COURT, FARMINGTON, NM 87401						
Facility or Well Name: Neil A #	8 A						
Location: Unit or Qtr/Qtr Sec	Sec 4 T 31N	R I W County	y San Juan				
Pit Type: Separator Dehydrator O	ther <u>Abandone</u>	4					
Land Type: BLM X, State, Fee							
Footage from re	length NA llhead X , other eference: 135' reference: 84						
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less that 50 feet to Greater		(20 points) (10 points) (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 No	(20 points) (0 points)	0			
Distance To Surface Water: (Rorizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	100 feet	n 100 feet to 1000 feet than 1000 feet	(20 points) (10 points) (0 points)	0			
	RANKI	NG SCORE (TOT.	AL POINTS):	0			
revised: 09/11/02				bel1202.wpd			

Abanc Date Completed: __ 2-23-64 Date Remediation Started: Approx. cubic yards ____NA Excavation X emediation Method: Check all appropriate Landfarmed / Vac Insitu Bioremediation _____ sections) Other ___CLOSE AS IS. Onsite X Offsite Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) General Description of Remedial Action: Excavation, Test hole advanced. No remediation necessary. No X Yes ___ Depth ____ Groundwater Encountered: Sample location see Attached Documents Final Pit Closure Sampling: (if multiple samples, attach sample results Sample depth _______ (Test hole bottom) and diagram of sample locations and depths) Sample date 2-20-04 Sample time 1005 Sample Results (ppm) <u>\(\D\)</u> Water: Benzene Soil: Benzene (ppb) (ppm) 0.971 Total BTEX Toluene (ppb) (ppm) 427Field Headspace Ethylbenzene (ppb) (ppm) _ | O TPH Total Xylenes (ppb) No X Groundwater Sample: Yes (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 2-23-04 PRINTED NAME Jeffrey C. Blagg

SIGNATURE COLSCAND TITLE President P.E. # 11607

P O. Box 1984, Hobbs, KM

State of New Mexico
Energy, Minerals and Natural Resources Department

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1006 Ris Brazo Rd., Autoc., NM

OIL CONSERVATION DIVISION P.O. BOX 2088 SANTA FE, NEW MEXICO 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

Operator: BP AMERICA PRODUCTION CO.	Telephone: (505) 326-9200				
Address: 200 ENERGY COURT, FARMINGTON, NM 87401 Facility or Well Name: A # 8A					
Location: Unit or Qtr/Qtr Sec Sec Sec Pit Type: Separator Dehydrator Other	T3 N R W County San Juan				
Land Type: BLM X, State , Fee , Oth	ner				
(Attach diagram) Reference: wellhead X					
Footage from reference:					
Depth To Groundwater: (Vertical distance from contaminants to seasonal bigh water elevation of groundwater)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (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 perennial lakes, ponds, rivers, streams, creeks, Irrigation canals and ditches)	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)				
	RANKING SCORE (TOTAL POINTS):0_				
revised: 09/11/02	bel1202 wpd				

DehylSep 8 0241 Date Completed: 2-23-02 Date Remediation Started: Excavation X Approx. cubic yards _____NA emediation Method: Check all appropriate Landfarmed V Insitu Bioremediation _____ sections) Other ____CLOSE AS IS Onsite X Offsite Remediation Location: (Le. landfarmed onsite, name and location of offsite (acility) General Description of Remedial Action: Excavation, Test hole advanced. No remediation necessary. No X Yes ___ Depth ___ Groundwater Encountered: Sample location see Attached Documents final Pit Closure Sampling: (if multiple samples, Sample depth ___ |O | attach sample results (Test hole bottom) and diagram of sample locations and depths) Sample date 2-20-04 Sample time 0950 Sample Results (ppm) 0.281 Soil: Benzene Water: Benzene (ppb) _ (ppm) 6.050 Total BTEX Toluene (ppb) (ppm) 1595 Field Headspace Ethylbenzene (ppb) _____ TPH (ppm) 134Total Xylenes (ppb) Groundwater 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 2-23-04 PRINTED NAME Jeffrey C. Blagg

SIGNATURE CELECAND TITLE President P.E. # 11607

CHAIN OF CUSTODY RECORD

11665

Client / Project Name,	Project Name, Project Location SCAGG BP NEIL A #8A							ANAL	/SIS / PAR.	AMETERS									
Sampler:			Client No. タイン34・c	010			010			No. of ontainers	TPH	87EX			Por		narks	A made	
Sample No./ Identification	Sample Date	Sample Time	Lab Number		Sample Matrix		Control	(go;5b)	(8027)			FRE	B S	g) (9mf	EES	5			
De 10'	2/20/04	0950	27870	50	ツレ		1	J	/			DEH9 SEPI	DRA RAT	70/1. OR	Pit				
D@ 10'	4204	1005	2 7871	50	iL		/	/	/			ABA-)	00n)	<u> </u>	Pin	- · · · · · · · · · · · · · · · · · · ·			
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Relinquished by: (Signatu	ire) (Receive	ed by:	(Signatı	rice)	V									
Relinquished by: (Signatu	ıre)					Receive	ceived by: (Signature)												
				ENV	IRO	TEC	ECH INC. Sample Receipt												
														Υ	N	N/A			
					796 U.S ngton, N				1			Received Int	act	L	, 				
					(505)	632-0	615					Cool - Ice/Blue	clce	س	, *				



EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	02-23-TPH QA/QC	Date Reported:	02-23-04
Laboratory Number:	27870	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-23-04
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF;	C-Cal RF:	% Difference	Accept, Range
Gasoline Range C5 - C10	02-19-04	1.8591E-002	1.8572E-002	0.10%	0 - 15%
Diesel Range C10 - C28	02-19-04	1.5507E-002	1.5492E-002	0.10%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	134	133	0.4%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	134	250	383	99.8%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

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:

QA/QC for samples 27870 - 27873, 27896.

Analyst



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

	11/A	D	A1/A
Client:	N/A	Project #:	N/A
Sample ID:	02-23-BTEX QA/QC	Date Reported:	02-23-04
Laboratory Number:	27870	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-23-04
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)			%Diff. ge 0 - 15%		
Benzene	4 2776E-002	4.2905E-002	0.3%	ND	0.2
Toluene	4.8966E-002	4 9064E-002	0.2%	ND	0.2
Ethylbenzene	7.4036E-002	7.4259E-002	0.3%	ND	0.2
p,m-Xylene	6.8275E-002	6.8480E-002	0.3%	ND	0.2
o-Xylene	5.5866E-002	5.5978E-002	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample D	uplicate	%Diff.	Accept Range	Detect. Limit
Benzene	281	285	1.4%	0 - 30%	1.8
Toluene	1,930	1,900	1.6%	0 - 30%	1.7
Ethylbenzene	558	547	2.0%	0 - 30%	1.5
p,m-Xylene	2,240	2,280	1.8%	0 - 30%	2.2
o-Xylene	1,040	1,050	1.0%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample Amo	unt Spiked Spi	ked Sample	% Recovery	Accept Range
Benzene	281	50.0	330	99.8%	39 - 150
Toluene	1,930	50.0	1,970	99.5%	46 - 148
Ethylbenzene	558	50.0	607	99.8%	32 - 160
p,m-Xylene	2,240	100	2,330	99.6%	46 - 148
o-Xylene	1,040	50.0	1,080	99.1%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for samples 27870 - 27871.

Analyst