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: RIDDLE C LS #1 API #: 30-045- 10279 U/L or Qtr/Qtr K Sec 30 T 31N R 9W
County: SAN JUAN Latitude 36.86694 Longitude 107.82579 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit
Type: Drilling ☐ Production ☐ Disposal ☒ DEHYDRATOR
Workover ☐ Emergency ☐
Lined ☐ Unlined ☒
Liner type: Synthetic ☐ Thickness _____mil Clay ☐
Pit 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 50 feet or more, but less than 100 feet 100 feet or more	(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: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) **0**
	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 BP CROUCH MESA LF. (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 78 FT. N49E FROM WELL HEAD.
PIT EXCAVATION: WIDTH 21 ft., LENGTH 12 ft., DEPTH 9 ft.
PIT REMEDIATION: CLOSE AS IS: ☐, LANDFARM: ☐, COMPOST: ☐, STOCKPILE: ☐, OTHER ☒ EXCAVATION
Cubic yards: 56

FEB 2006 RECEIVED OIL CONS. DIV. DIST. 3

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: 04/26/05

PrintedName/Title 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:
Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Signature Denny Foust Date: FEB 21 2006

30-045-10617 36.86644 x 107.865 14

CLIENT: BP	**BLAGG ENGINEERING, INC.** **P.O. BOX 87, BLOOMFIELD, NM 87413** **(505) 632-1199**	LOCATION NO: B1509 COCR NO: 13985

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 2

LOCATION: NAME: RIDDLE C LS WELL #: 1 TYPE: DEHY
QUAD/UNIT: K SEC: 30 TWP: 31N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1650 FSL x 500 FWL NE/SW CONTRACTOR: PxS (FERNANDO)

DATE STARTED: 4-22-05
DATE FINISHED: 4-28-05
ENVIRONMENTAL SPECIALIST: JCB

EXCAVATION APPROX. ____ FT. x ____ FT. x ____ FT. DEEP. CUBIC YARDAGE: ____

DISPOSAL FACILITY: SEE Pg. 2 OF 2 REMEDIATION METHOD: ____

LAND USE: RANGE - BLM LEASE: NMSF078319 ~~078319-A~~ FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 78 FT. N49E FROM WELLHEAD.

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

NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

OVM CALIB. READ. = 52.9 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 0905 am/pm DATE: 4/22

SOIL AND EXCAVATION DESCRIPTION:

SOIL TYPE: SAND / (SILTY SAND) / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER ____
SOIL COLOR: DARK 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 - Gray Stain
HC ODOR DETECTED: (YES) / NO EXPLANATION - Moderate - Strong
SAMPLE TYPE: (GRAB) / COMPOSITE - # OF PTS. —
ADDITIONAL COMMENTS: 21'x12'x3' Deep Earthen Pit. Use Backhoe to collect Sample @ Equip. limit.

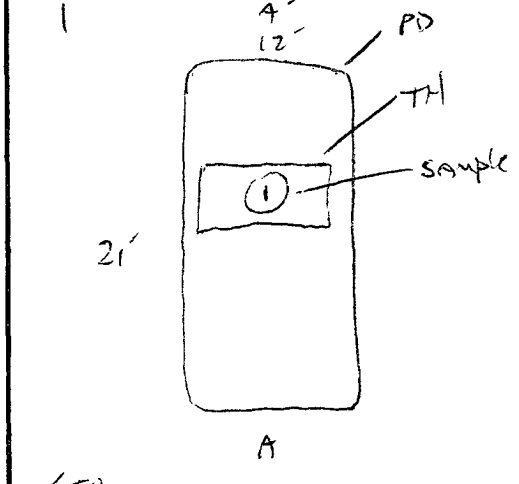
CLOSED

FIELD 418.1 CALCULATIONS

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

SCALE 0 FT

PIT PERIMETER



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

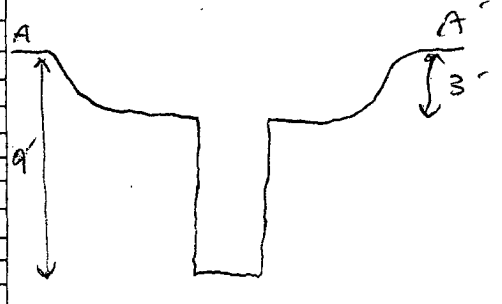
OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 9'	170
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
(1) @ 9'	TPH/BTEX	1300
	PASSED	

PIT PROFILE



TRAVEL NOTES: CALLOUT: 4/22/05 ONSITE: 4/22/05

revised: 09/04/02

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30-045-10619 36.86699 x 107.823 19

CLIENT: BP

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

LOCATION NO: B1509
COCR NO: 13985

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 2 of 2

LOCATION: NAME: RIDDLE C LS WELL #: 1 TYPE: DEHY
QUAD/UNIT: K SEC: 30 TWP: 31N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1650 FSL x 500 FWL CONTRACTOR: P+S (FERNANDO)

DATE STARTED: 4-22-05
DATE FINISHED: 4-29-05
ENVIRONMENTAL SPECIALIST: JCB

EXCAVATION APPROX. 21 FT. x 12 FT. x 9 FT. DEEP. CUBIC YARDAGE: 56 ±

DISPOSAL FACILITY: BP CROUCH MESA LF REMEDIATION METHOD: EXCAVATE
LAND USE: RANGE - BLM LEASE: NMSF3203 FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 78 FT. N49E FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 52.6 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 1615 am/(pm) DATE: 4/28

SOIL TYPE: SAND / (SILTY SAND) / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER
SOIL COLOR: DARK 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 - V. MINOR GRAY STAIN
HC ODOR DETECTED: (YES) / NO EXPLANATION - MINOR
SAMPLE TYPE: (GRAB) / COMPOSITE - # OF PTS. —
ADDITIONAL COMMENTS: PIT ORIGINALLY SAMPLED 4/22/05. HAVE CREW EXCAVATE CONTENTS TO 9' BG TO REMOVE IMPACTED SOILS. USE BACKHOE TO COLLECT SAMPLES FOR TESTING. Sample ① collected 4/22/05.

CLOSED

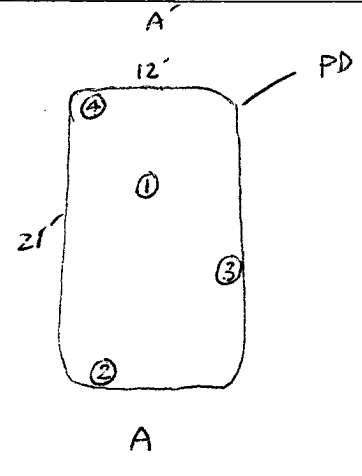
FIELD 418.1 CALCULATIONS

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

SCALE 0 FT

N

PIT PERIMETER



TO WELL

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

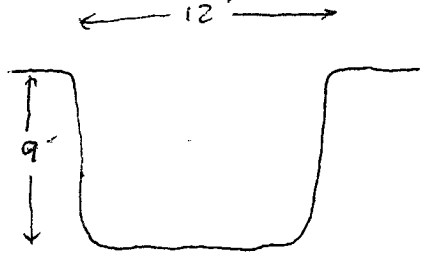
OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 9'	170
2 @ 9'	116
3 @ 9'	154
4 @ 9'	88
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
①@9'	TPH/BTEX	1302 4/22/05
	PASSED	

PIT PROFILE



TRAVEL NOTES: CALLOUT: ONSITE: 4/22/05 & 4/29/05

revised: 09/04/02

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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	Project #:	94034-010
Sample ID:	1 @ 9'	Date Reported:	04-26-05
Laboratory Number:	32771	Date Sampled:	04-22-05
Chain of Custody No:	13985	Date Received:	04-25-05
Sample Matrix:	Soil	Date Extracted:	04-25-05
Preservative:	Cool	Date Analyzed:	04-26-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**247**	**0.2**
Diesel Range (C10 - C28)	**530**	**0.1**
Total Petroleum Hydrocarbons	**777**	**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: **Riddle CLS #1 Dehy Pit.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 9'	Date Reported:	04-26-05
Laboratory Number:	32771	Date Sampled:	04-22-05
Chain of Custody:	13985	Date Received:	04-25-05
Sample Matrix:	Soil	Date Analyzed:	04-26-05
Preservative:	Cool	Date Extracted:	04-25-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**111**	**2.1**
Toluene	**270**	**1.8**
Ethylbenzene	**895**	**1.7**
p,m-Xylene	**5,310**	**1.5**
o-Xylene	**1,650**	**2.2**
Total BTEX	**8,240**	

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: **Riddle CLS #1 Dehy Pit.**

Analyst

Review

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