

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM 88211

District III

Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: FLORANCE #28
Well Name

Location: Unit or Qtr/Qtr Sec M Sec 3 T 29N R 8W County SAN JUAN

Pit Type: Separator Dehydrator Other ABANDONED (I)

Land Type: BLM ✓, State , Fee , Other

Pit Location: Pit dimensions: length 15', width 18', depth 12'
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 93'

Direction from reference: 86 Degrees East North ✓
✓ of West South

Depth To Ground Water:

(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (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 (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 200 feet (20 points)
200 feet to 1000 feet (10 points) 0
Greater than 1000 feet (0 points)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 9/13/00

Remediation Method: Excavation ☒ Approx. cubic yards 100
 (Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
 Other COMPOSTED

Remediation Location: Onsite _____ Offsite NYE GC B #1E (E-7-29-9)
 (ie. landfarmed onsite, name and location of offsite facility) TRANSPORTED TO CROWN MESA 3/01. ⁷²

General Description Of Remedial Action: _____
 Excavation ,

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location see Attached Documents
 Closure Sampling: _____
 (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 8' (EAST SIDEWALK)
 Sample date 9/11/00 Sample time 1125

Sample Results

Benzene(ppm) 0.102
 Total BTEX(ppm) 3.150
 Field headspace(ppm) 176.7
 TPH 1,360 ppm

Ground Water 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 9/13/00SIGNATURE B. ShawPRINTED NAME
AND TITLEBuddy D. Shaw
Environmental Coordinator

3004508634

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80791C.O.C. NO: 7485

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1LOCATION: NAME: FLORANCE WELL #: 28 PIT: ABAND. IDATE STARTED: 9/11/00QUAD/UNIT: M SEC: 3 TWP: 29N RNG: 8W PM: NM CNTY: ST NM

DATE FINISHED: _____

QTR/FOOTAGE: 790'S/1190'W SWSW CONTRACTOR: FLINTENVIRONMENTAL
SPECIALIST: NVEXCAVATION APPROX. 15 FT. x 18 FT. x 12 FT. DEEP. CUBIC YARDAGE: 100DISPOSAL FACILITY: NYE GC BIE (E-7-29-9) REMEDIATION METHOD: COMPOSTEDLAND USE: RANGE LEASE: 5F-078596-A FORMATION: MV

FIELD NOTES & REMARKS:

PIT LOCATED APPROXIMATELY 93 FT. N86W FROM WELL HEADDEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

CHECK ONE

SOIL AND EXCAVATION

OVM CALIB. READ: 51.9 ppmTIME: 0730 am/pm 9/11/00☒ PIT ABANDONED☐ STEEL TANK INSTALLED☐ FIBERGLASS TANK INSTALLED

DESCRIPTION:

MOD. YELL. BROWN SAND PHASING INTO CLAY @ PIT BOTTOM (GRAYISH BROWN TO MED. DK. GRAY), NON COHESIVE TO SLIGHTLY PLASTIC, SLIGHTLY MOIST, FIRM TO VERY STIFF (PIT BOTTOM, GRAYISH BROWN TO BLACK DISCOLORATION ON WEST SIDEWALL,

CLOSED

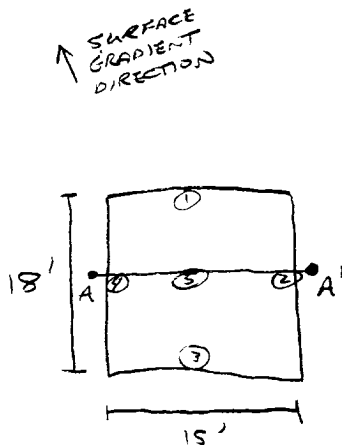
FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1125							

SCALE

0 FT

PIT PERIMETER



OVM RESULTS

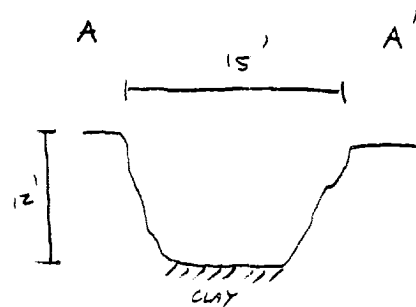
SAMPLE ID	FIELD HEADSPACE (in)
1 @ 8'	0.0
2 @ 8'	176.7
3 @ 7'	0.0
4 @ 8'	0.0
5 @ 12'	129.4

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
2 @ 8'	OTEX (GOW)	1125
"	TPH (GOW)	"

BENT PASSED

PIT PROFILE



TRAVEL NOTES:

CALLOUT: 9/11/00 - MORN.ONSITE: 9/11/00 - MORN.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

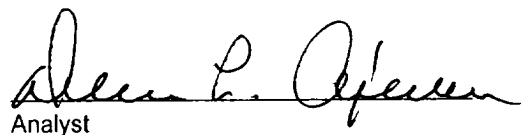
Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	2 @ 8'	Date Reported:	09-13-00
Laboratory Number:	18141	Date Sampled:	09-11-00
Chain of Custody No:	7485	Date Received:	09-12-00
Sample Matrix:	Soil	Date Extracted:	09-12-00
Preservative:	Cool	Date Analyzed:	09-12-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

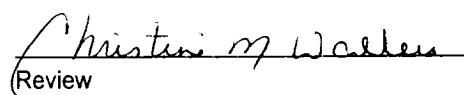
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	798	0.2
Diesel Range (C10 - C28)	558	0.1
Total Petroleum Hydrocarbons	1,360	0.1

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: Florance #28 Abandoned Pit (1).


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	2 @ 8'	Date Reported:	09-12-00
Laboratory Number:	18141	Date Sampled:	09-11-00
Chain of Custody:	7485	Date Received:	09-12-00
Sample Matrix:	Soil	Date Analyzed:	09-12-00
Preservative:	Cool	Date Extracted:	09-12-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	102	1.8
Toluene	734	1.7
Ethylbenzene	256	1.5
p,m-Xylene	1,350	2.2
o-Xylene	712	1.0
Total BTEX	3,150	

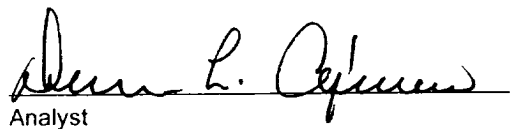
ND - Parameter not detected at the stated detection limit.

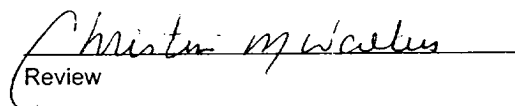
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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: Florance # 28 Abandoned Pit (I).


Analyst


Review

Depth To Ground Water:	Less than 50 feet	(20 points)	
(Vertical distance from	50 feet to 99 feet	(10 points)	
contaminants to seasonal	Greater than 100 feet	(0 Points)	<u>0</u>
high water elevation of			
ground water)			
 Wellhead Protection Area:		Yes (20 points)	<u>0</u>
(Less than 200 feet from a private		No (0 points)	
domestic water source, or; less than			
1000 feet from all other water sources)			
 Distance To Surface Water:	Less than 200 feet	(20 points)	
(Horizontal distance to perennial	200 feet to 1000 feet	(10 points)	<u>0</u>
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet	(0 points)	
irrigation canals and ditches)			
	RANKING SCORE (TOTAL POINTS):		<u>0</u>

Date Remediation Started: _____ Date Completed: 9/13/00

Remediation Method: Excavation ☒ Approx. cubic yards NA
 (Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
 Other CLOSE AS IS.

Remediation Location: Onsite ☒ Offsite _____
 (ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation. NO REMEDIATION NECESSARY.

Ground Water Encountered: No ☒ Yes _____ Depth _____Final Pit: Sample location see Attached Documents

Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 5' (TEST HOLE BOTTOM)Sample date 9/11/00 Sample time 1108

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 0.0TPH 0.1 ppmGround Water 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 9/13/00SIGNATURE B. ShawPRINTED NAME
AND TITLEBuddy D. Shaw
Environmental Coordinator

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80791C.D.C. NO: 7485

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1LOCATION: NAME: FLORANCE WELL #: 28 PIT: ABAND. IIDATE STARTED: 9/11/00QUAD/UNIT: M SEC: 3 TWP: 2N RNG: 8W PM: NM CNTY: ST ST: NM

DATE FINISHED: _____

QTR/FOOTAGE: 7905/1190W SWSW CONTRACTOR: FLINTENVIRONMENTAL SPECIALIST: NVEXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE NADISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS ISLAND USE: RANGE LEASE: ST-078596-A FORMATION: MUFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 90 FT. SW FROM WELL-HEADDEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

CHECK ONE

SOIL AND EXCAVATION

OVM CALIB. READ. 51.9 ppm☒ PIT ABANDONED

DESCRIPTION:

TIME: 0730 on pm 9/11/00☐ STEEL TANK INSTALLED☐ FIBERGLASS TANK INSTALLED

MOD. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT DISCOLORATION OBSERVED OR HC ODOR DETECTED.

CLOSED

FIELD 418.1 CALCULATIONS

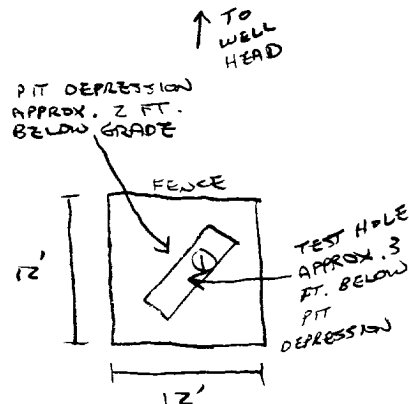
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1108							

SCALE

0 FT

PIT PERIMETER 12'

PIT PROFILE



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PPD (ppm)
1 @ 5'	6.0
2 @	
3 @	
4 @	
5 @	

NOT APPLICABLE

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
① @ 5' TPH (8015)		1108

CLOSED

TRAVEL NOTES:

CALLOUT: 9/11/00-MORN.ONSITE: 9/11/00-MORN.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

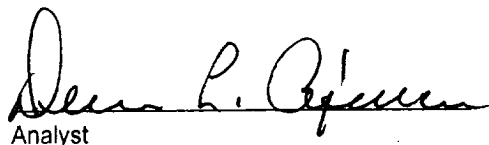
Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	1 @ 5'	Date Reported:	09-13-00
Laboratory Number:	18140	Date Sampled:	09-11-00
Chain of Custody No:	7485	Date Received:	09-12-00
Sample Matrix:	Soil	Date Extracted:	09-12-00
Preservative:	Cool	Date Analyzed:	09-12-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

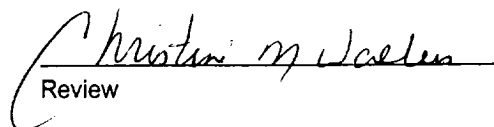
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	0.1	0.1
Total Petroleum Hydrocarbons	0.1	0.1

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: **Florance #28 Abandoned Pit (II).**


Analyst


Review

CHAIN OF CUSTODY RECORD

7403

Client / Project Name		Project Location		ANALYSIS / PARAMETERS																					
BACE / BP		FORAGE # 28																							
Sampler: NTV		Client No. 0403410		No. of Containers		TPH (8015)		BTEX (8021)				Remarks													
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix																					
① e 5'	9/11/00	1108	18140	SOIL	1	✓							ABANDONED PIT (I)												
② e 8'	9/11/00	1125	18141	SOIL	1	✓	✓						ABANDONED PIT (I)												
													BOTH SAMPLES												
													PRESERV. - COOL												
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time															
[Signature]		9/12/00		0715		[Signature]		9-12-00		07:05															
Relinquished by: (Signature)						Received by: (Signature)																			
Relinquished by: (Signature)						Received by: (Signature)																			
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615																									
Sample Receipt																									
<table border="1"> <tr> <td>Y</td> <td>N</td> <td>N/A</td> </tr> <tr> <td>✓</td> <td></td> <td></td> </tr> <tr> <td colspan="3">Received Intact</td> </tr> <tr> <td colspan="3">Cool - Ice/Blue Ice</td> </tr> </table>														Y	N	N/A	✓			Received Intact			Cool - Ice/Blue Ice		
Y	N	N/A																							
✓																									
Received Intact																									
Cool - Ice/Blue Ice																									