

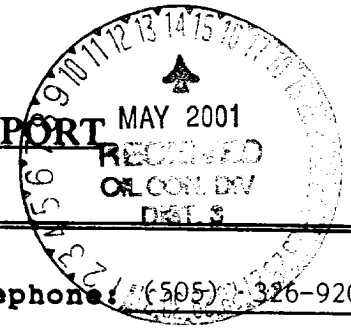
District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

*No vertical extent
Not vulnerable area*

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



PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: FLORANCE # 81
Well Name

Location: Unit or Qtr/Qtr Sec J Sec 14 T 30N R 9W county SAN JUAN

Pit Type: Separator Dehydrator Other ABANDONED PRODUCTION TANK

Land Type: BLM , State , Fee , Other

Pit Location: Pit dimensions: length 20', width 15', depth 7'
(Attach diagram)

Reference: wellhead , other

Footage from reference: 58'

Direction from reference: 15 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)	<u>0</u>
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)	<u>0</u>
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)	
	Greater than 1000 feet (0 points)	<u>0</u>
RANKING SCORE (TOTAL POINTS):		<u>0</u>

Date Remediation Started: _____ Date Completed: 8/17/00

Remediation Method: Excavation Approx. cubic yards 60
(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 CRONCH MESA 3/01. 91V

General Description Of Remedial Action: _____
Excavation. RISK ASSESSED.

CHAIN OF CUSTODY # 7480 SAMPLE CONSIST OF BACKGROUND SOIL FOR QA/QC FROM PERIMETER WELL PAD SURFACE.

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 9' (PIT BOTTOM)

Sample date 8/16/00 Sample time 0945

Sample Results

Benzene(ppm) 0.117

Total BTEX(ppm) 8.000

Field headspace(ppm) 291

TPH 10,280 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 8/17/00

SIGNATURE B. Shaw

PRINTED NAME AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

3004511771

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80783</u> C.O.C. NO: <u>7480</u> <u>7481</u>
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FIELD REPORT: CLOSURE VERIFICATION PAGE No: 1 of 1

LOCATION: NAME: <u>FLORANCE</u> WELL #: <u>81</u> PIT: <u>ABAND. PROD. TANK</u>	DATE STARTED: <u>8/16/00</u>
QUAD/UNIT: <u>J SEC: 14 TWP: 30N RNG: 9W PM: NM CNTY: ST ST: NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>1500'S/1635'E</u> NUSE CONTRACTOR: <u>FLINT</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. 20 FT. x 15 FT. x 7 FT. DEEP. CUBIC YARDAGE: 60
 DISPOSAL FACILITY: NYE GC BIE (E-7-29-9) REMEDIATION METHOD: COMPOSTED
 LAND USE: RANGE LEASE: SF-080004 FORMATION: PC

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 58 FT. NISE FROM WELL HEAD
 DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
 NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5000 PPM
 SOIL AND EXCAVATION DESCRIPTION: OVM CALIB. READ. 53.1 ppm TIME: 2:42 am 8/15/00
 CHECK ONE:
 PIT ABANDONED
 STEEL TANK INSTALLED
 FIBERGLASS TANK INSTALLED

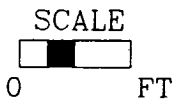
SIDEWALLS - MOD. TO DK. YELL. BROWN SAND, BOTTOM - OLIVE TO DK. GRAY SAND, NON COHESIVE SLIGHTLY MOIST, LOOSE TO FIRM DISCOLORATION OBSERVED BENEATH PIT BOTTOM ONLY, STRONG HC ODOR IN PIT BOTTOM OVM SAMPLE ONLY - (SAMPLE CONSISTED OF SATURATED GREASY FEEL).

CHAIN OF CUSTODY # 7480 SAMPLE CONSIST OF BACKGROUND SOIL FOR QA/QC FROM PERIMETER WELL PAD SURFACE.

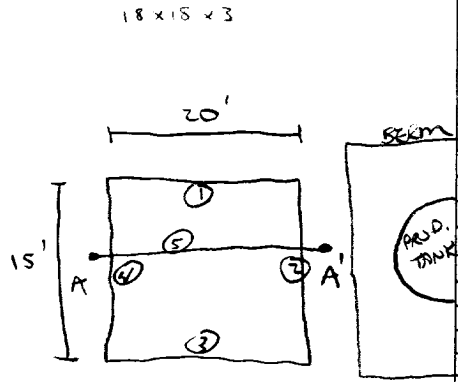
RISK ASSESSED

FIELD 418.1 CALCULATIONS

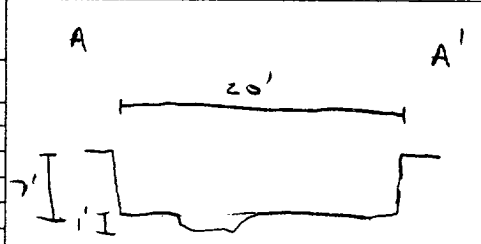
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0945							



PIT PERIMETER



PIT PROFILE



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 4'	0.0
2 @ 4'	0.0
3 @ 4'	0.0
4 @ 4'	0.0
5 @ 9'	291

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
⑤ @ 9'	TPH (8015)	0945
"	BTEX (8021)	"
	<u>BTEX PASSED</u>	
	<u>TPH FAILED</u>	

↓ TO WELL HEAD

TRAVEL NOTES: CALLOUT: 8/15/00 - AFTER. ONSITE: 8/16/00 - MORNING.

Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizontal Distance to Surface Water:

Vicinity Groundwater Depth:

Florance #81

Unit J, Sec. 14, T30N, R9W

Abandoned Production Tank Pit

Pictured Cliffs

Non Vulnerable

> 1000 ft.

> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when backhoe reached practical extent at 7 ft. below grade and for safety concerns (underground piping and surface equipment).

No past or future threat to surface water or groundwater is likely based on the following considerations:

1. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below the pit bottom, in which only the total petroleum hydrocarbons (TPH) analysis (10,280 parts per million or ppm) failed regulatory standards (5,000 ppm).
2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.
3. Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.
4. Well site located within the **non-vulnerable area** and is approximately 0.56 miles west northwest of the nearest vulnerable area boundary (Pump Canyon wash).

(Refer to Archuleta Quadrangle, New Mexico - San Juan County, 7.5 Minute Series (Topographic), Provisional edition, 1985, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the subsurface vertical TPH contamination is limited and impact to groundwater is very unlikely. BP AMOCO requests pit closure approval on this location.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

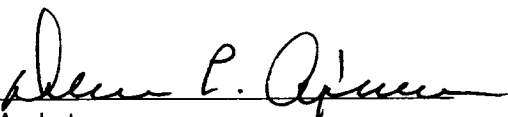
Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	5 @ 9'	Date Reported:	08-17-00
Laboratory Number:	H915	Date Sampled:	08-16-00
Chain of Custody No:	7481	Date Received:	08-16-00
Sample Matrix:	Soil	Date Extracted:	08-17-00
Preservative:	Cool	Date Analyzed:	08-17-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

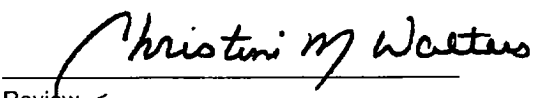
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,210	0.2
Diesel Range (C10 - C28)	9,070	0.1
Total Petroleum Hydrocarbons	10,280	0.1

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 #81 Abandoned Production Tank Pit.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	5 @ 9'	Date Reported:	08-17-00
Laboratory Number:	H915	Date Sampled:	08-16-00
Chain of Custody:	7481	Date Received:	08-16-00
Sample Matrix:	Soil	Date Analyzed:	08-17-00
Preservative:	Cool	Date Extracted:	08-17-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	117	1.8
Toluene	1,840	1.7
Ethylbenzene	812	1.5
p,m-Xylene	2,620	2.2
o-Xylene	2,610	1.0
Total BTEX	8,000	

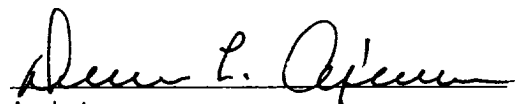
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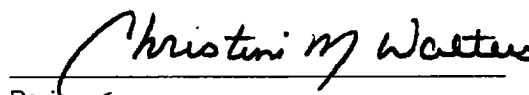
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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 #81 Abandoned Production Tank Pit.


Analyst


Review

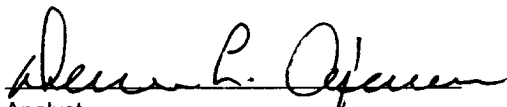
Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	1 @ 7'	Date Reported:	08-17-00
Laboratory Number:	H916	Date Sampled:	08-16-00
Chain of Custody No:	7480	Date Received:	08-16-00
Sample Matrix:	Soil	Date Extracted:	08-17-00
Preservative:	Cool	Date Analyzed:	08-17-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

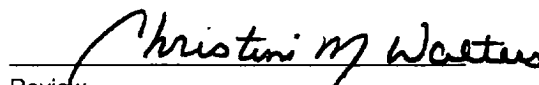
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.4	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	0.4	0.1

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 GC A #29A Abandoned Blow Pit.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP Amoco	Project #:	403410
Sample ID:	1 @ 7'	Date Reported:	08-17-00
Laboratory Number:	H916	Date Sampled:	08-16-00
Chain of Custody:	7480	Date Received:	08-16-00
Sample Matrix:	Soil	Date Analyzed:	08-17-00
Preservative:	Cool	Date Extracted:	08-17-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	118	2.2
o-Xylene	57.5	1.0
Total BTEX	176	

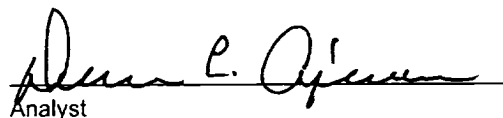
ND - Parameter not detected at the stated detection limit.

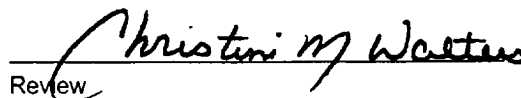
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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 GC A #29A Abandoned Blow Pit.


Analyst


Review

CHAIN OF CUSTODY RECORD

74-J

Client / Project Name		Project Location				ANALYSIS / PARAMETERS							
BLAGE / BP Amoco		ABANDONED BLEND PIT FURNACE GC A # 29A 29A				Containers		TPH (80%)		BTEX (80%)		Remarks	
Sampler: NTV		Client No. 403410		Lab Number		Sample Matrix							
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (80%)	BTEX (80%)						
0 e 71	8/16/00	0900	14916	SOIL	1	✓	✓			PRESERV. - 2000			
				BACKGROUND SOIL									
				COLLECTED FROM									
				FURNACE # 01 WELL									
				PAD PERIMETER. MV									
				3/29/01									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time			
[Signature]		8/16/00		1323		[Signature]		8-16-00		1323			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time			
[Signature]						[Signature]							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time			
[Signature]						[Signature]							

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt

Y	N	N/A
✓		
✓		

Received Intact

Cool - Ice/Blue Ice