District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
__strict III
__1000 Rio Brazos Rd, Azzec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

SOPON BOBZE

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

OIL CONSERVATION BIVISION

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

PIT REMEDIATION AND BLOSURE REPORT

•	Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington,	New Mexico 87401
Pacility Or: MARTIN 6C 81 Well Name	
Location: Unit or Qtr/Qtr Sec 6 Se	C31 TZ8N RIOW County SAN JUAN
Pit Type: Separator Dehydrator Of	ther BLOW
Land Type: BLM, State, Fee	, Other
Footage from reference:	, other
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) / O
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)
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)
	RANKING SCORE (TOTAL POINTS): /O

			1-12
Date Remediation Sta	arted:	Date Completed:	215196
Remediation Method:		Approx. cubic yards	450
(Check all appropriate sections)	Landfarmed X	Insitu Bioremediation	
	Other Some me	TERIAL COMPOSTED.	APPROX ZOC.Y.
Remediation Location	· · · · · · · · · · · · · · · · · · ·	site	
(ie. landfarmed onsite, name and location of			•
offsite facility)	of Demedial Action	:	
General Description Excavation			
Excavacio	,,,		
	1 × ×	Yes Depth	
Ground Water Encoun	tered: NO 📐	res	
	Sample legation	see Attached Documents	
Final Pit: Closure Sampling:	Sample location	ı	
(if multiple samples, attach sample results	Sample depth	13'	
and diagram of sample locations and depths)	Sample date $\frac{2}{5}$		0940
	Sample Results		
	Benzene(ppm)		
	Total BTEX(p)		
		ace(ppm) <u>2.9</u>	
	трн <u>92 <i>РР</i>п</u>		
Ground Water Sample	a: Yes No 📐	\leq (If yes, attach samp)	le results)
I HEREBY CERTIFY TO	HAT THE INFORMATION D BELIEF	ABOVE IS TRUE AND COMPI	LETE TO THE BEST
DATE 2/5/96	1	NAME RULL D	Shaul
SIGNATURE SAS	haw AND TIT	NAME Buddy Die Environmental	Coordinator

AMOCO							
CLIENT: <u>AMOCO</u>	PO BOX 87	ENGINEEI , BLOOMFI 505) 632-	ELD, NM	C. [87413 	LOCAT		80328
FIELD REPOR	RT: CLOS	URE VE	RIFICA	ATION	PAGE	No:/	_ of _ /_
OCATION: NAME: MART	v~ GC WEI	LL #: 81	PIT: BLO	ω	DATE ST	ARTED: Z	-5-96
QUAD/UNIT: & SEC:	31 TWP: 28~ RM	NG:(OU) PM: 1	um CNTY:	SJ ST:NN	ENVIRON SPECIAL	MENTAL IST:/	/V
EXCAVATION APPROX _3 DISPOSAL FACILITY: LAND USE:	0N-SITE LEA	FT. x LQ RI ASE: RI	FT. DEEI	N METH ≤ FO	OD: 44N ORMATIC N8ZW	N:	OK WELLHEAD.
DEPTH TO GROUNDWATER:	NEAREST WATER	R SDURCE:	NE.	AREST SURFA	1CE WATER	CK ON	
NMOCI PANKING SCORE:			DO PPM		✓ PIT A	BANDON	ED
SOIL AND EXCAVATI	ROWN JAND W/						INSTALLED
FIRM NO ,	OPPARENT HE O	002 IN A	ny of 7	A) E OUR	· 1// // .		30. 2
FIRM NO I OF THE HET BE COMPO	APPARENT HC &	ON TO SULT	NY OF M	OSTLY C RMED.			
FIRM NO 1 OF THE HER BE COMPO	APPARENT HE S SVIER CONTAMIN PSTED + REM	POOR IN A FIEL	D 418.1 CAL	CULATIONS	DILUTION	READING	
FIRM NO 1 OF THE HER BE COMPO	APPARENT HC &	POOR IN A FIEL	D 418.1 CAL	CULATIONS	DILUTION	READING	CALC. ppm
SCALE OF THE HETE BE COMPO	TIME SAMPLE OP40 SE1	FIEL I.D. LAB NO: 3' TPH-16T)	D 418.1 CAL	CULATIONS mL. FREON	DILUTION /: (READING 23	CALC. ppm
SCALE O FT PIT PERIM	TIME SAMPLE OP40 SE1	FIEL 1.D. LAB NO: 3' TPH-16T) OVM RESULT	D 418.1 CAL WEIGHT (9)	CULATIONS	DILUTION /: (READING	CALC. ppm
SCALE O FT PIT PERIM PIRE PIRE	TIME SAMPLE OF40 SP1 METER IN ECTION TO DRY TO APPROX. 50 TO APPROX. 50 TO APPROX. 50 TO APPROX. 50 TO APPROX. 50	FIEL I.D. LAB NO: 3' TPH-16T) OVM RESULT SAMPLE FIELD PO E 5' O. E 6' O.	D 418.1 CAL WEIGHT (9) S S S S S S S S S S S S S S S S S S	CULATIONS mL. FREON	DILUTION /: (READING 23	CALC. ppm

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

AMOCO

Sample ID: Project Location:

Laboratory Number:

5 @ 13'

Martin GC B1

TPH-1677

Project #:

Date Analyzed:

02-05-96

Date Reported:

02-05-96

Soil Sample Matrix:

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	92	20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
5400	5000	7.69

^{*}Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Blow Pit - B0328

Review

Million Vill Analyst

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters: Client:

AMOCO

Sample ID:

5 @ 13'

Project Location:

Martin GC B1 TPH-1677

Laboratory Number:

Date Analyzed: Date Reported:

Project #:

02-05-96 02-05-96

Sample Matrix:

Soil

Sample Weight: Volume Freon:

5.00 grams 20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

23 mg/kg

TPH Result:

92.0 mg/kg

Reported TPH Result: Actual Detection Limit:

92 mg/kg 20.0 mg/kg

Reported Detection Limit:

20 mg/kg

QA/QC:

Original TPH mg/kg

Duplicate TPH mg/kg

% Diff.

5400

5000

7.69

Comments:

Comments:

Blow Pit - B0328

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesis, NM 88211
istrict III
.000 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

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:	MARTIN GC BI	
Location: Unit	or Qtr/Qtr SecS	ec31 TZBN R 10W County SAN JUAN
Pit Type: Sepa	$rator \times Dehydrator _ 0$	ther
Land Type: BL	$M \chi$, State, Fee	, Other
Pit Location: (Attach diagram)	Reference: wellhead X	1 43 , width 40 , depth 17 , other 151
Depth To Ground (Vertical distant contaminants to high water eleval ground water)	ce from seasonal	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 Points) 10
domestic water s	ection Area: eet from a private cource, or; less than all other water sources)	Yes (20 points) No (0 points) <u>O</u>
Distance To S (Horizontal dist lakes, ponds, ri irrigation canal	ance to perennial vers, streams, creeks,	Less than 200 feet (20 points) 200 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)
		RANKING SCORE (TOTAL POINTS): 10

			, /
Date Remediation Sta	arted:	Date Completed:_	2/5/96
lemediation Method:		Approx. cubic yards	1150
(Check all appropriate sections)	Landfarmed \times	Insitu Bioremediation	
	other APPROX.	80 C.Y. COMPOSTED	
Remediation Location (ie. landfarmed onsite, name and location of offsite facility)		on:	-
		Tom.	
Excuraci			
		Donth	
Ground Water Encour	itered: No X	Yes Depth	
Final Pit: Closure Sampling: (if multiple samples,	Sample location	see Attached Documents	
attach sample results and diagram of sample	Sample depth	13	
locations and depths)	Sample date 2/	5/96 Sample time	1030
	Sample Results		
	Benzene (ppr	n)	
	Total BTEX	(ppm)	
	Field heads	space(ppm) O.O	
	ТРН <u>164 Р</u>	gm	
Ground Water Sampl	e: Yes No	(If yes, attach sample	e results)
I HEREBY CERTIFY T)F MY KNOWLEDGE AN	HAT THE INFORMATION BELIEF	ON ABOVE IS TRUE AND COMPI	ETE TO THE BEST
DATE 2/5/96 SIGNATURE BAS	haw PRINT AND T	ED NAME Buddy DI	Shaw Coordinator
SIGNATURE /			

CLIENT: AMOCO	O. BOX 87, B	IGINEERING, IN LOOMFIELD, NM) 632-1199	C. 87413	C.D.C. ND:
FIELD REPOR' LOCATION: NAME: MARTIN QUAD/UNIT: & SEC: 3	6 WELL #:	Bl PIT: SEF)	PAGE No: of DATE STARTED: DATE FINISHED: ENVIRONMENTAL NV SPECIALIST:
EXCAVATION APPROX. 43 DISPOSAL FACILITY: LAND USE: RANGE	0N - SITE E LEASE:	REMEDIATIO	N METHO	D: CAMPFARMED (COMPOSIED) RMATION: OK
DEPTH TO GROUNDWATER: \$\frac{\lambda}{\lambda}\$ NMOCD RANKING SCORE: \[\lambda \] SOIL AND EXCAVATION FIRMED	NEAREST WATER SOLL NMOCD TPH CLOSURE N DESCRIPTION: STLY OK. YELL. BE M SONTH TIPEM OK. GRAY IN CO	STD: 1000 PPM STD: 1000 PPM ROWN SAND, NON RUL IN ST SHALL LOK FRIBBLE NO	AREST SURFACE V SEE PI APPAREM ASSEL SEE APPAREM ASSEL SEE APPAREM ASSEL SEE APPAREM APPAREM	E WATER: 2/000 CHECK ONE: PIT ABANDONED STEEL TANK INSTALLED VE SUGHTLY MOIST, T PROFILE) DENSE THE OODE IN I OF MATELIAL
BOTTOM - BEDROCK OVM SAL SCALE	MOSTLY SHALE, DE	FIELD 418.1 CAL LAB No: WEIGHT (g)	CULATIONS ml. FREON C	
O FT PIT PERIM! ORY ARROYS APPROX. AS OFRED EPGE	SAMPU D OF PIT 2 1.	RESULTS	A PIT	PROFILE A'
SOWN SUPE OIRETION OF	To WELL HERD	3' 0.0 8' 97.0	14'	SEOROCIS (SHALE)
TRAVEL NOTES: CALLOUT	43'	0. 71	SCOLORED AND, ET. 6LAY C ODDR SERCE	BÉDROCK (SHALE) ED MORN.

P.O. Box 87, Bloomfield, New Mexico 87413 Phone: (505)632-1199 Fax: (505)632-3903

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

AMOCO

Sample ID:

4 @ 13'

Project Location: TPH-1678

Martin GC B1

Laboratory Number:

Date Analyzed: Date Reported:

Project #:

02-05-96 02-05-96

Soil Sample Matrix:

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	160	20

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
5400	5000	7.69

^{*}Administrative Acceptance limits set at 30%.

Method:

Modified Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments:

Separator Pit - B0328

R. E. Onall

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

Field TPH-Worksheet

Client: AMOCO Project #:

Sample ID: 4 @ 13' Date Analyzed: 02-05-96
Project Location: Martin GC B1 Date Reported: 02-05-96
Laboratory Number: TPH-1678 Sample Matrix: Soil

Sample Weight: 5.00 grams
Volume Freon: 20.00 mL

Dilution Factor: 1 (unitless)
TPH Reading: 41 mg/kg

TPH Result: 164.0 mg/kg
Reported TPH Result: 160 mg/kg
Actual Detection Limit: 20.0 mg/kg
Reported Detection Limit: 20 mg/kg

QA/QC: Original Duplicate %
TPH mg/kg TPH mg/kg Diff.
---- 5400 5000 7.69

Comments: Separator Pit - B0328

CLIENT: AMOCO

BLAGG ENGINEERING, INC.

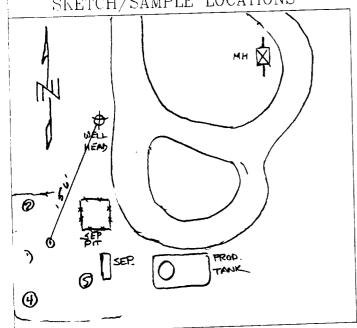
LOCATION NO: 80328

P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	C.O.C. NO: 5616
FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE	VERIFICATION
ECICATION: NAME: MARTIN &C B WELL #: 1 PITS: BLOW, SEP.	DATE STARTED: 11:2497 DATE FINISHED:
QUAD/UNITAG) SEC: 31 TWP: 28N RNG: 10W PM: NM CNTY: 55 ST: NM DIP/FIGHAGE 5W/Y NE/4 CONTRACTOR: EPC	ENVIRONMENTAL SPECIALIST: NV PEP
SO'L REMEDIATION: REMEDIATION SYSTEM: LANDFARM APPROX. CUBIC Y	YARDAGE: 1,600
FIELD NOTES & REMARKS: DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: > 1000' NEAREST SURFACE	
NMBCD RANKING SCORE: 10 NMBCD TPH CLOSURE STD: 1000 PPM SOIL IS A LIGHT GREY CLAY WITH LIGHT BROWN SILTY SAND DRY.	
NO STAIN OR HE ODER TOOK S-PT COMPOSITE FOR LAB ANALYSIS	

FIELD 418.1 CALCULATIONS

		FI	ELD 418.	.1 tr	4LUU	LHIUN	<u> </u>			
SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT	(g)	mL.	FREON	DILUTION	READING	CALC.	ppm
										
					-					
									<u> </u>	

SKETCH/SAMPLE LOCATIONS



OVM	RESULTS
-----	---------

LAB SAMPLES

OVM I	RESULTS		LAD SAMI I						
SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS				
LF-1	8.1	LF-1	8015	0900	ND				
			-	1					
]	J	1	1				

SCALE	
$\bar{0}$	F

~	 	
]
0		FT

16 2497 0900 ONSITE: TRAVEL NOTES: CALLOUT: _



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	12-03-97
Laboratory Number:	C588	Date Sampled:	11-24-97
Chain of Custody No:	5616	Date Received:	11-26-97
Sample Matrix:	Soil	Date Extracted:	11-26-97
Preservative:	Cool	Date Analyzed:	12-01-97
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)	ND	0.1		
Total Petroleum Hydrocarbons	ND	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:

Martin GC B #1 Landfarm. 5 Pt. Composite.

Analyst Geren

Stacy W Sendler
Review

記せ つとな SU16 → SU28 ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401	Received by: (Signature)	Vil 1/10/97 0944	11/28/97 0700	Relinquished by: (Signature) Date Time Received by: (Signature)	SAMPLE RECEIVED COST	2,5				1 1 1 1/24/97 0900 C888 SOIL 1 V	Identification Date Time Lab Number Sample &	No. of	Pris	İ		Project Location	CHAIN OF CUSTODY RECORD
ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615	Received by: (Signature)	Received by: (Signature)	0700 Million Vil	Time	NECENSED !	2,5				2012	Sample Matrix	No. of	Pris		ብ ()		CHAIN OF CUSTODY RECORD