

District I
P.O. Box 1980, Hobbes, NM

District II
P.O. Drawer DD, Artes, NM 88211

District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resource Department

OIL CONSERVATION DIVISION

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

OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

OK
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE
(Revised 3/9/94)

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9216

Address: 200 AMOCO COURT, FARMINGTON, NM 87401

Facility Or: TAFT GAS COM #1

Well Name

Location: Unit or Qtr/Qtr Sec NE/NE 17 Sec 14 T 30 R 13 County SAN JUAN

Pit Type: Separator XX Dehydrator Other

Land Type: BLM State Fee ✓ Other

Pit Location: Pit dimensions: Length 20 width 15 depth 13
(Attach diagram)

Reference: wellhead Other SEE ATTACHED

Footage from reference:

Direction from reference: Degrees East North
of
 West South

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)	
(less than 200 feet from a private	No	(0 points)	<u>0</u>
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)	
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet	(0 points)	<u>0</u>
irrigation canals and ditches)			

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 05/17/94 Date Completed: 05/17/94
Remediation Method: Excavation XX Approx. cubic yards 144

Landfarmed _____ Insitu Bioremediation _____

Other _____

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

General Description of Remediation Action: _____

CONTAMINATED SOIL WAS EXCAVATED AND REMEDIATED BY DILUTION AND AERATION.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit:
Closure Sampling:
(if multiple samples,
attach sample results
and diagram of sample
locations and depths)

Sample location See Attached

Sample depth 8' 75

Sample date 05/17/94 Sample time 10:30

Sample Results

Benzene (ppm) _____

Total BTEX (ppm) _____

Field headspace (ppm) 0.028' 11/8/97 75

TPH 86

Ground Water Sample: Yes _____ No XX (If yes, attach sample results)

I HEREBY CERTIFY THAT INFORMATION ABOVE IS TRUE AND COMPLETE
TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 06/29/94 5/25/98 75

SIGNATURE

B. J. Shaw

PRINTED NAME BUDDY SHAW E.H. & S.
AND TITLE

FINAL PIT CLOSURE SAMPLING REPORT

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9216

Address: 200 AMOCO COURT, FARMINGTON, NM 87401

Facility Or: TAFT GAS COM #1

Well Name _____

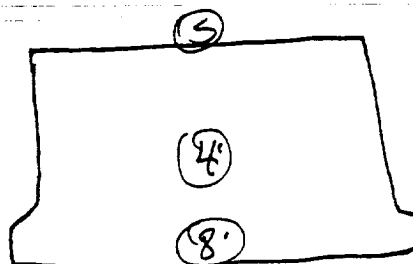
Location: Unit or Qtr/Qtr Sec NE/NE Sec 14 T 30 R 13 County SAN JUAN

Depth

TPH

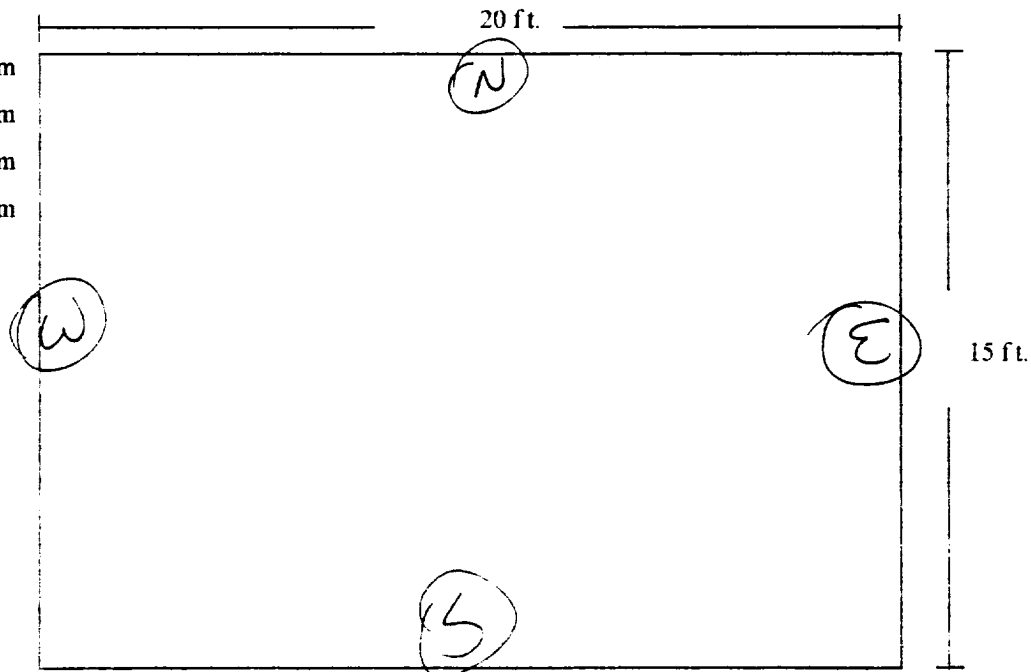
SIDE VIEW

Surface	218 ppm
2 ft.	ppm
4 ft.	1270 ppm
6 ft.	ppm
8 ft.	86 ppm
10 ft.	ppm
12 ft.	ppm
14 ft.	ppm
16 ft.	ppm
18 ft.	ppm
20 ft.	ppm
ft.	ppm
ft.	ppm
ft.	ppm



TOP VIEW

North Side	100 ppm
East Side	69 ppm
South Side	28 ppm
West Side	55 ppm



CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>WEE</u> C.D.C. NO: <u>5428</u>
----------------------	---	---

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION		
LOCATION: NAME: <u>TAFT GC</u> WELL #: <u>1</u> PITS: <u>SEP</u> QUAD/UNIT: <u>A SEC: 14 TWP: 30N RNG: 13W PM: NM CNTY: SJ ST: NM</u> QTR/FOOTAGE: <u>NE 1/4 NE 1/4</u> CONTRACTOR: <u>WHOLE EARTH</u>	DATE STARTED: <u>11/8/97</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NU/EP</u>	

SOIL REMEDIATION: REMEDIATION SYSTEM: <u>DILUTED & AERATED</u> LAND USE: <u>RANGE</u>		APPROX. CUBIC YARDAGE: <u>144</u> LIFT DEPTH (ft): <u>NA</u>
---	--	---

FIELD NOTES & REMARKS:	DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>100'</u> NEAREST SURFACE WATER: <u>>1000'</u>
------------------------	---

NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5000 PPM
 BORING CONDUCTED @ PIT CENTER ACCORDING TO PIT CLOSURE REPORT, REACHED 8' DEPTH
 BELOW GRADE SOIL CONSISTED OF OK. YELL. BROWN SAND W/ NO DISCOLORATION OR HC
 OOR OBSERVED THROUGHOUT ENTIRE BORING, COLLECTED 3 SAMPLE PTS. USING HAND
 AUGER (1'-2' DEPTHS BELOW GRADE) IN PIT AREA, 5 PT. COMPOSITE COLLECTED FOR
 LAB ANALYSIS OF SUPPOSEDLY DILUTED & AERATED SOIL PLACED BACK INTO EXCAVATED
 AREA.

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS

139' N54W

SEE SITE MAP

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
DA-1	0.0	DA-1	TPH (8015)	0930	ND
@ 8'	0.0				

SCALE

 0 FT

TRAVEL NOTES:

CALLOUT: NA

ONSITE: 11/8/97

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

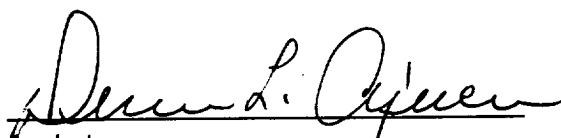
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	DA - 1	Date Reported:	11-10-97
Laboratory Number:	C475	Date Sampled:	11-08-97
Chain of Custody No:	5428	Date Received:	11-10-97
Sample Matrix:	Soil	Date Extracted:	11-10-97
Preservative:	Cool	Date Analyzed:	11-10-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

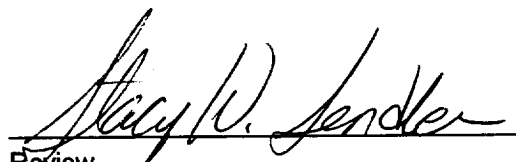
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: Taft GC #1 Separator Pit. 5 Pt. Composite.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location		ANALYSIS/PARAMETERS									
Sampler: (Signature)			Chain of Custody Tape No.		No. of Containers		Remarks							
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
DA - 1	11/8/97	0930	2475	SOIL	1	✓							SEPARATOR PIT	
DA - 1	11/8/97	1000	2476	SOIL	1	✓							BLOW PIT	
													BOTH SAMPLES	
													PRESERV. - COOL	
													ARE 5 PT.	
													COMPOSITE	
													Samples received cool & in bucket	
Relinquished by: (Signature)			Date	Time	Received by: (Signature)		Date						Time	
Michael Vitz			11/10/97	0714	Steven P. O'Brien		11-10-97						0714	
Relinquished by: (Signature)					Received by: (Signature)									
Relinquished by: (Signature)					Received by: (Signature)									

REF C0C 5428, 5429, 5430

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organic Total Petroleum Hydrocarbons

Quality Assurance Report

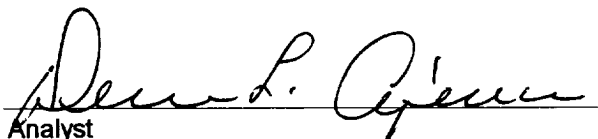
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	11-10-97
Laboratory Number:	11-10-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-10-97
Condition:	N/A	Analysis Requested:	TPH

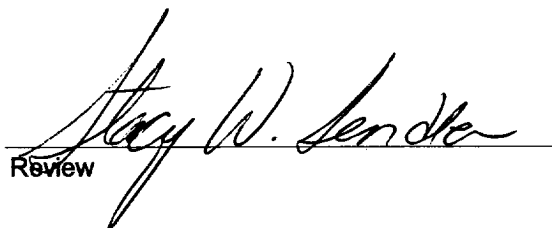
Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C475 - C478.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	11-10-97
Laboratory Number:	C475	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	11-10-97
Condition:	Cool and Intact	Analysis Requested:	TPH

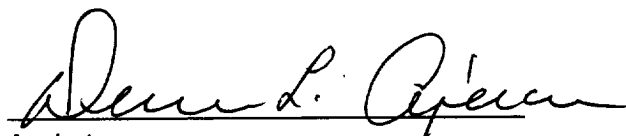
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	ND	ND	0.0%
Diesel Range (C10 - C28)	ND	ND	0.0%
Total Petroleum Hydrocarbons	ND	ND	0.0%

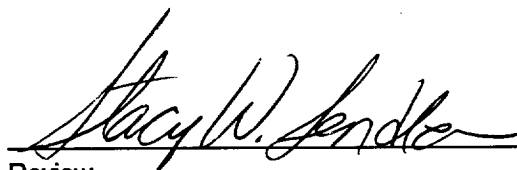
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C475 - C478.


Analyst


Review

EPA METHOD 8015 Modified
Nonhalogenated Volatile Hydrocarbons
Total Petroleum Hydrocarbons
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	11-10-97
Laboratory Number:	C475	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	11-10-97
Condition:	N/A		

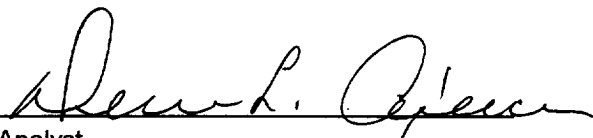
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	ND	250	249	0.2	100%
Diesel Range (C10 - C28)	ND	250	248	0.1	99%
Total Petroleum Hydrocarbons	ND	500	497	0.2	99%

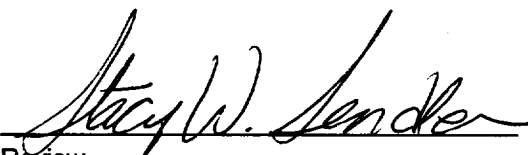
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for samples C475 - C478.


Analyst


Review