

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer, Artesia, NM 88211

District III

1000 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

STATE OFFICE

(Revised 3/9/94)

RECEIVED  
AUG 24 1999

OIL CON. DIV.

# PIT REMEDIATION AND CLOSURE REPORT 3

Operator: Conoco Inc.Telephone: 505-324-5813Address: 3315 Bloomfield Hwy - Farmington, NM 87401Facility Or: Marron WN Fed Com 1A

Well Name

Location: Unit or Qtr/Qtr Sec E Sec 27 T 27N R 8W County San JuanPit Type: Separator X Dehydrator        Other       Land Type: BLM        State X Fee        Other       Pit Location: Pit dimension: length 20' width 15' depth 3'  
(Attach diagram)Reference: wellhead X other       Footage from reference: 125'Direction from reference: 90 Degrees X East of X North  
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 9 feet (10 points)  
Greater than 100 feet ( 0 points)

Total 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)

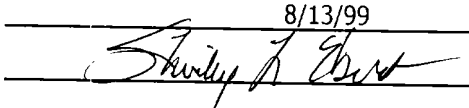
Total 0

Distance To Surface Water:

(Horizontal distance to perennial  
lakes, ponds, rivers, streams, creeks,  
irrigation canals and ditches)

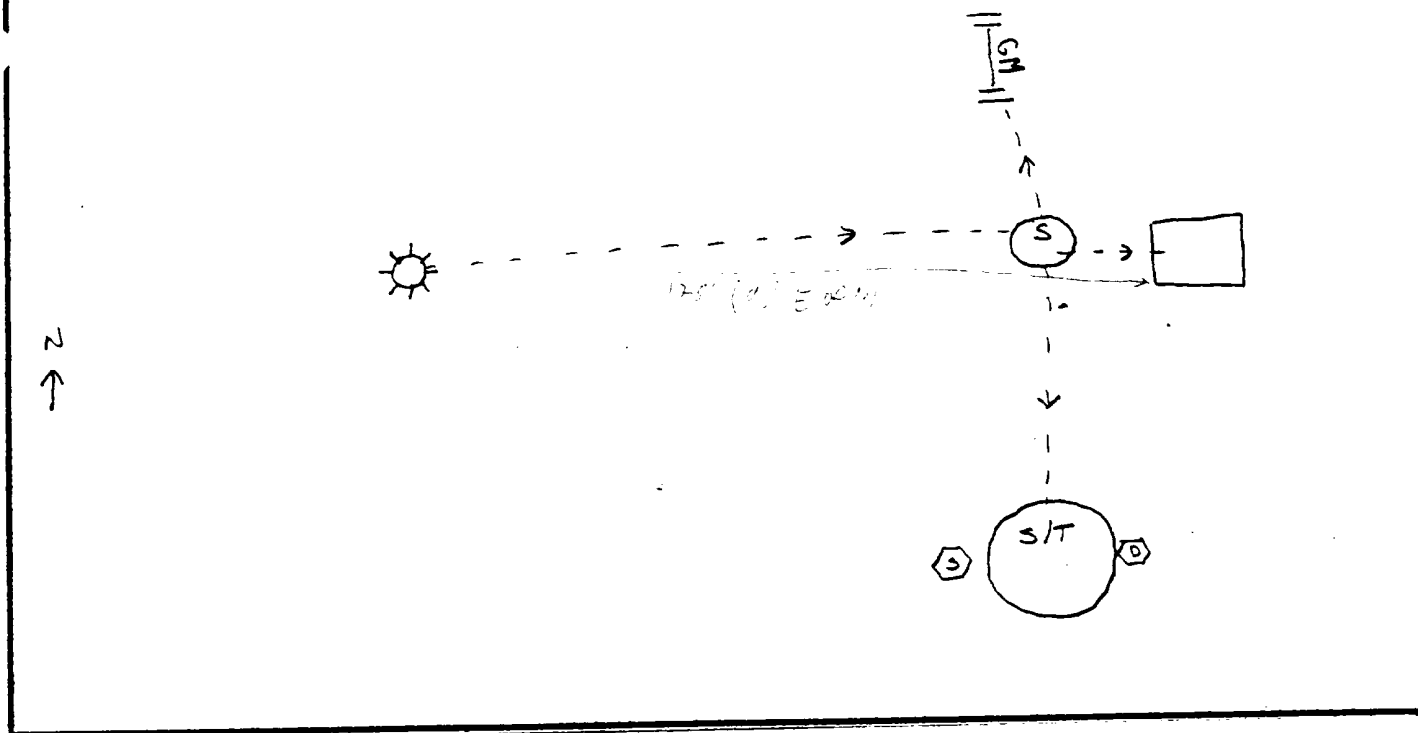
Less than 200 feet (20 points) (20 points)  
200 feet to 1000 feet (10 points) (10 points)  
Greater than 1000 feet ( 0 points) ( 0 points)

Total 0RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____		Date Completed: _____	
Remediation Method: (Check all appropriate sections)	Excavation: _____	Approx. cubic yards _____	
	Landfarm _____	Insitu Bioremediation _____	
	Other _____		
Remediation Location: Onsite _____ Offsite _____			
(ie. landfarmed onsite, name and location of offsite facility)			
General Description Of Remedial Action: <u>Dug 3' -- backfilled and set tank in pit.</u>			
Sample was taken at 3' below bottom of pit center. No PID reading was conducted on location. Samples were transported to laboratory for TPH analysis per EPA Method 8015 and for BTEX analysis per EPA Method 8020A			
Ground Water Encountered: No <input checked="" type="checkbox"/> Yes _____ Depth _____			
Final Pit:	Sample location	<u>Bottom of pit - center</u>	
Closure Sampling:			
(if multiple samples attach sample results and diagram of sample locations and depths)	Sample depth	<u>3'</u>	
	Sample date	<u>6/29/99</u>	Sample time <u>4:00pm</u>
	Sample Results		
	Benzene (ppm)	<u>&lt; 0.025</u>	
	Total BTEX (ppm)	<u>&lt;0.1</u>	
	Field headspace (ppm)	<u>Not Taken</u>	
	TPH	<u>70.1</u>	
Ground Water Sample: Yes _____ No <input checked="" type="checkbox"/> (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 <u>8/13/99</u>		PRINTED NAME <u>Shirley L. Ebert</u>	
SIGNATURE <u></u>		AND TITLE <u>Field SHEAR Specialist</u>	

Lease Name: Marathon Wm Felt Com 10 Operator: L. H. Anderson Date: 2/13/93  
Site Security  
(Indicate North)

**Site Security**  
(Indicate North)



Lease Name: Marron WN Fed Com 1A  
Federal/ Indian Lease No: NM 03604  
CA No.: \_\_\_\_\_  
Unit : E  
Legal Description: Sec: 27 TP: 27N R: 8W  
County: San Juan NM

**Load line valves :**  
**Sealed during Production**

**Drain line valves :  
Sealed during Production**

**Production Line valve:  
Sealed during sales**

**This lease is subject to the site security plan for San Juan Basin Operations. The plan is located at: Conoco Inc. 3315 Bloomfield Hwy Farmington, NM**

## 6946

[illegible]

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER WORLD

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

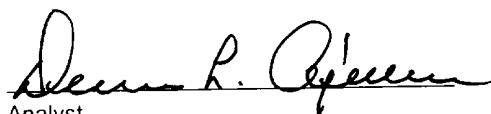
Client:	Conoco Inc.	Project #:	707003-048
Sample ID:	Sep. Pit	Date Reported:	07-02-99
Laboratory Number:	F621	Date Sampled:	06-29-99
Chain of Custody No:	6946	Date Received:	07-01-99
Sample Matrix:	Soil	Date Extracted:	07-01-99
Preservative:	Cool	Date Analyzed:	07-02-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.5	0.2
Diesel Range (C10 - C28)	68.6	0.1
Total Petroleum Hydrocarbons	70.1	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: **Marron WN Fed Com #1A.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER WORLD

## EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

### Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	07-02-TPH QA/QC	Date Reported:	07-02-99
Laboratory Number:	F619	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-02-99
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	06-17-99	1.1457E-001	1.1448E-001	0.08%	0 - 15%
Diesel Range C10 - C28	06-17-99	7.9565E-002	7.9438E-002	0.16%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

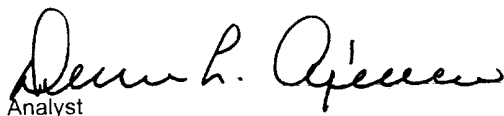
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	0.6	0.6	0.0%	0 - 30%
Diesel Range C10 - C28	54.9	54.7	0.4%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	0.6	250	250	100%	75 - 125%
Diesel Range C10 - C28	54.9	250	304	100%	75 - 125%

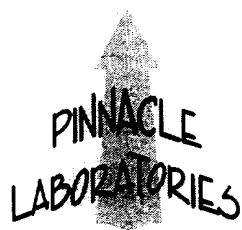
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for samples F619 - F624.

  
Analyst

  
Review



2709-D Pan American Freeway NE  
Albuquerque, New Mexico 87107  
Phone (505) 344-3777  
Fax (505) 344-4413

# GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021 MODIFIED  
CLIENT : ENVIROTECH, INC.  
PROJECT # : 0707003  
PROJECT NAME : CONOCO

PINNACLE I.D.: 907036

SAMPLE		MATRIX	DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		SAMPLED	EXTRACTED	ANALYZED	FACTOR
03	SEP PIT/F621	NON-AQ	6/29/99	7/1/99	7/14/99	1
PARAMETER		DET. LIMIT	UNITS	SEP PIT/F621		
BENZENE		0.025	MG/KG	< 0.025		
TOLUENE		0.025	MG/KG	< 0.025		
ETHYLBENZENE		0.025	MG/KG	< 0.025		
TOTAL XYLENES		0.025	MG/KG	< 0.025		

## SURROGATE:

BROMOFLUOROBENZENE (%)

92

SURROGATE LIMITS ( 65 - 120 )

## CHEMIST NOTES:

N/A



2709-D Pan American Freeway NE  
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GAS CHROMATOGRAPHY RESULTS  
REAGENT BLANK

TEST	: EPA 8021 MODIFIED	PINNACLE I.D.	: 907036
BLANK I. D.	: 071499	DATE EXTRACTED	: N/A *
CLIENT	: ENVIROTECH, INC.	DATE ANALYZED	: 7/14/99
PROJECT #	: 0707003	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: CONOCO		

PARAMETER	UNITS	
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.025

SURROGATE:  
BROMOFLUOROBENZENE (%) 91  
SURROGATE LIMITS: ( 80 - 120 )

CHEMIST NOTES:

\* = NO EXTRACTION REAGENT BLANK WAS PROVIDED WITH THE EXTRACTS TO THE LABORATORY. AN INSTRUMENT BLANK WAS REPORTED IN ITS PLACE.





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Albuquerque, New Mexico 87107  
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Fax (505) 344-4413

GAS CHROMATOGRAPHY QUALITY CONTROL  
MSMSD

TEST : EPA 8021 MODIFIED  
MSMSD # : 907036-03 \*  
CLIENT : ENVIROTECH, INC.  
PROJECT # : 0707003  
PROJECT NAME : CONOCO

PINNACLE I.D. : 907036  
DATE EXTRACTED : 7/1/99  
DATE ANALYZED : 7/14/99  
SAMPLE MATRIX : NON-AQ  
UNITS : MG/KG

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.025	1.00	0.95	95	0.92	92	3	( 68 - 120 )	20
TOLUENE	<0.025	1.00	1.00	100	0.99	99	1	( 64 - 120 )	20
ETHYLBENZENE	<0.025	1.00	1.06	106	1.03	103	3	( 49 - 127 )	20
TOTAL XYLENES	<0.025	3.00	2.96	99	2.92	97	1	( 58 - 120 )	20

CHEMIST NOTES:

\* = NO EXTRACTION QC WAS PROVIDED TO THE LABORATORY WITH THE EXTRACTS. AN EXTRACT WAS SELECTED AND SPIKED AT THE INSTRUMENT.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$