

OK

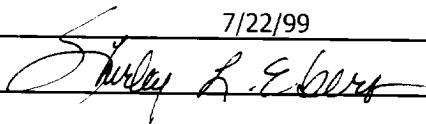
District I	State Of New Mexico	SUBMIT 1 COPY TO
P.O. Box 1980, Hobbs, NM	Energy, Minerals and Natural Resources Department	APPROPRIATE
District II		DISTRICT OFFICE
P.O. Drawer, Artesia, NM 88211	<b>OIL CONSERVATION DIVISION</b>	AND 1 COPY TO
District III	P.O. Box 2088	SANTA FE OFFICE
1000 Rio Brazos Rd. Aztec, NM 87410	Santa Fe, New Mexico 87504-2088	(Revised 3/9/94)

**PIT REMEDIATION AND CLOSURE REPORT**

Operator:	<u>Conoco Inc.</u>		Telephone:	<u>505-324-5813</u>
Address:	<u>3315 Bloomfield Hwy - Farmington, NM 87401</u>			
Facility Or:	<u>Nickson #13E</u>			
Well Name				
Location:	Unit or Qtr/Qtr Sec	<u>E</u> Sec	<u>26</u> T	<u>26N</u> R <u>8W</u> County San Juan
Pit Type:	Separator	Dehydrator	Other	<u>TDP</u>
Land Type:	BLM	State	Fee	Other
Pit Location: (Attach diagram)	Pit dimension:	length	<u>6'</u>	width <u>6'</u> depth <u>2'</u>
	Reference:	wellhead	<u>X</u>	other
	Footage from reference:	<u>50'</u>		
	Direction from reference:	Degrees		East <u>X</u> Northeast of <u>      </u> West <u>      </u> South

RECEIVED  
AUG 24 1999  
OIL CON. DIV.  
DIST. 3

Depth To Ground Water:	Less than 50 feet	(20 points)	
(Vertical distance from	50 feet to 9 feet	(10 points)	
contaminants to seasonal	Greater than 100 feet	( 0 points)	
high water elevation of			
ground water)		Total	<u>20</u>
Wellhead Protection Area:	Yes (20 points)		
(Less than 200 feet from a private	No ( 0 points)		
domestic water source, or; less than		Total	<u>0</u>
1000 feet from all other water sources)			
Distance To Surface Water:	Less than 200 feet	(20 points)	(20 points)
(Horizontal distance to perennial	200 feet to 1000 feet	(10 points)	(10 points)
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet	( 0 points)	( 0 points)
irrigation canals and ditches)			
		Total	<u>20</u>
	RANKING SCORE (TOTAL POINTS):		<u>40</u>

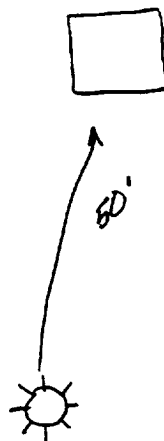
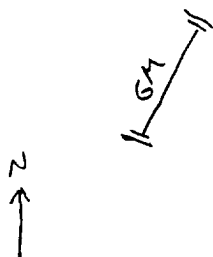
Date Remediation Started: <u>3/19/99</u>		Date Completed: <u>4/20/99</u>	
Remediation Method: (Check all appropriate sections)	Excavation: <u>X</u>	Approx. cubic yards	<u>18</u>
	Landfarm <u>X</u>	Insitu Bioremediation	<u>          </u>
	Other <u>                                </u>		
Remediation Location: Onsite <u>X</u> Offsite <u>          </u>			
(ie. landfarmed onsite, name and location of offsite facility)			
General Description Of Remedial Action: <u>Excavated pit to 8' x 10' x 6' - hit sandstone at 6' depth - cleaned</u>			
<u>sidewalls and took a composite sample - OVM reading on comp was 23 ppm and lab analysis for TPH was 54.7</u>			
<u>Landfarm analysis TPH 61.6, Benzene - &lt;0.025 and Total BTEX = 0.18</u>			
Ground Water Encountered: No <u>          </u> X Yes <u>          </u> Depth <u>          </u>			
Final Pit: Sample location <u>pit bottom 6'</u>			
Closure Sampling: <u>and composite side samples</u>			
(if multiple samples attach sample results and diagram of sample locations and depths)	Sample depth <u>                                6'</u>		
	Sample date <u>4/19/99</u> Sample tim <u>3:00 p.</u>		
	Sample Results		
	Benzene (ppm)	<u>n/a</u>	
	Total BTEX (ppm)	<u>n/a</u>	
	Field headspace (ppm)	<u>19 grab 23 comp</u>	
	TPH	<u>.5/grab 54.7 com</u>	
Ground Water Sample: Yes <u>          </u> No <u>          </u> (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>7/22/99</u>		PRINTED NAME <u>Shirley L. Ebert</u>	
SIGNATURE <u></u>		AND TITLE <u>Field SHEAR Specialist</u>	

Lease Name: Nickson 13E

Operator: L. Hernandez

Date: 2/26/98

Site Security  
(Indicate North)



Well is TSI, No Equip Don't know where it is now.

Unit: E

Sect: 26

TP: 26N

R: 8W

San Juan, NM

## 6778

[illegible]

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

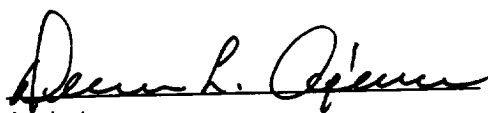
Client:	Conoco Inc.	Project #:	707003-016
Sample ID:	TDP - Grab	Date Reported:	04-21-99
Laboratory Number:	F064	Date Sampled:	04-19-99
Chain of Custody No:	6778	Date Received:	04-20-99
Sample Matrix:	Soil	Date Extracted:	04-21-99
Preservative:	Cool	Date Analyzed:	04-21-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

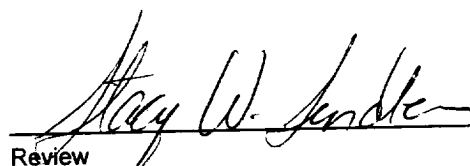
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.5	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	4.5	0.2

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: Nickson 13E. OVM Reading = 19.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

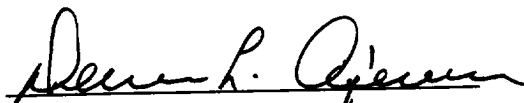
Client:	Conoco Inc.	Project #:	707003-016
Sample ID:	TDP - Composite	Date Reported:	04-21-99
Laboratory Number:	F065	Date Sampled:	04-19-99
Chain of Custody No:	6778	Date Received:	04-20-99
Sample Matrix:	Soil	Date Extracted:	04-21-99
Preservative:	Cool	Date Analyzed:	04-21-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.3	0.2
Diesel Range (C10 - C28)	50.4	0.1
Total Petroleum Hydrocarbons	54.7	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: Nickson 13E. OVM Reading = 23.

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

April 26, 1999

Ms. Shirley Ebert  
Conoco, Inc.  
3315 Bloomfield Highway  
Farmington, New Mexico 87401

(505) 324-5813  
(505) 324-5825

Client No.: 97070  
Job No.: 707003

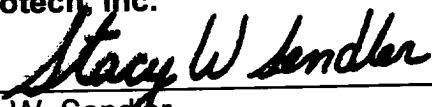
Dear Ms. Ebert,

Enclosed are the analytical results for the samples most recently submitted for the Pit Closures project.

The samples were extracted and/or analyzed using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

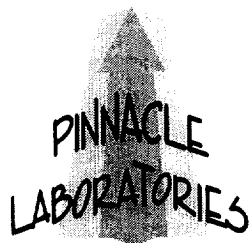
Respectfully submitted,  
Envirotech, Inc.

  
\_\_\_\_\_  
Stacy W. Sender  
Environmental Scientist/Laboratory Manager

enclosure

SWS/sws

97070-03.wpd



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
02	LAND FARM/F620	NON-AQ	6/28/99	7/1/99	7/14/99	1
PARAMETER		DET. LIMIT	UNITS	LAND FARM/F620		
BENZENE		0.025	MG/KG	< 0.025		
TOLUENE		0.025	MG/KG	< 0.03		
ETHYLBENZENE		0.025	MG/KG	< 0.025		
TOTAL XYLENES		0.025	MG/KG	0.028		

SURROGATE:  
BROMOFLUOROBENZENE (%)  
SURROGATE LIMITS ( 65 - 120 )

89

CHEMIST NOTES:  
N/A



## 6945

[illegible]

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client: Conoco Inc.  
Sample ID: Land Farm  
Laboratory Number: F620  
Chain of Custody No: 6945  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

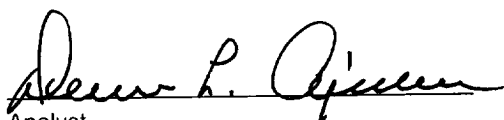
Project #: 707003-016  
Date Reported: 07-02-99  
Date Sampled: 06-28-99  
Date Received: 07-01-99  
Date Extracted: 07-01-99  
Date Analyzed: 07-02-99  
Analysis Requested: 8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.9	0.2
Diesel Range (C10 - C28)	59.7	0.1
Total Petroleum Hydrocarbons	61.6	0.2

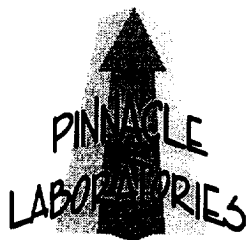
ND - Parameter not detected at the stated detection limit.

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

Comments: Nickson #13E.

  
Analyst

  
Review



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

GAS CHROMATOGRAPHY RESULTS  
REAGENT BLANK

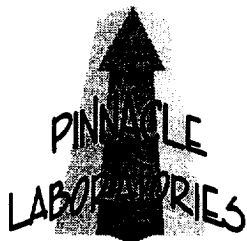
TEST	: EPA 8021 MODIFIED	PINNACLE I.D.	: 907036
BLANK I. D.	: 071499	DATE EXTRACTED	: N/A *
CLIENT	: ENVIROTECH, INC.	DATE ANALYZED	: 7/14/99
PROJECT #	: 0707003	SAMPLE MATRIX	: NON-AQ
PROJECT NAME	: CONOCO		

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.



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

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

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

## 6945

[illegible]