

**P.O. Box**

P.O. Drawer DD, Artesia, NM  
88211

1000 Rio Brazos Rd, Aztec,  
NM 87410

Energy, Minerals and Natural Resources Department

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

(Revised 3/9/94)

# PIT REMEDIATION AND CLOSURE REPORT

**Operator Conoco, Inc Telephone: 915-686-5453**

**Address: 10 Destra Drive, Suite 100W, Midland, TX 79705-4500**

Facility Or: Fogelson 9-1 Pit #1  
Well Name \_\_\_\_\_

**Location:** Unit or Qtr/Qtr Unit F Sec 9 T29N R11W County San Juan

**Pit Type:** Separator\_\_\_\_\_ Dehydrator X Other\_\_\_\_\_

**Land Type:** BLM X, State           , Fee           , Other           

**Pit Location:** Pit dimensions: length 12', width 12' depth 3'  
(Attach diagram)

Reference: wellhead X , other

Footage from reference: 85'

Direction from reference: 0 Degrees \_\_\_\_\_ East North X,  
of  
West South

**Depth To Ground Water**  
(Vertical distance from  
contaminants to seasonal  
high water elevation of  
ground water)

RECEIVED  
FEB - 9 1938

Less than 50 feet	(20 points)
50 feet to 99 feet	(10 points)
Greater than 100 feet	(0 points)

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)

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**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)

0.

**RANKING SCORE (TOTAL POINTS): 0**

Date Remediation Started: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Remediation Method: Excavation \_\_\_\_\_ Approx. cubic yards \_\_\_\_\_  
(Check all appropriate sections) Landfarmed \_\_\_\_\_ Insitu Bioremediation X \_\_\_\_\_  
Other \_\_\_\_\_

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

General Description Of Remedial Action: Former pit assessed on 4/9/97, a composite sample taken from bottom of pit. PID reading of composite was greater than 2500.0 ppm. Pit sampled on 6/25/97 to determine vertical extent of contamination. Samples were taken at 6 inch intervals to a depth of 12 feet below bottom of the pit. Bedrock (shale) was encountered at 12 feet, PID reading are on attached table. A grab sample was taken at 12 feet. The sample was transported to laboratory for BTEX per EPA Method 8020 and TPH per EPA metod 8015M. Laboratory results of sample was TPH 368.0 ppm and BTEX 20.2 ppm. Pit covered during rehab site. Site rehab on 9/15/97. RISK-BASED CLOSURE ATTACHED.

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: Center of Pit

Re-sample location: Center of Pit

Sample depth: 3 feet below bottom of the pit

Sample depth: 12 feet below bottom of the pit

Sample date: 4/9/97

Sample time: 1410

Re-sample date: 6/25/97

Re-sample time: 0930

**Sample Results**

4/9/97

6/25/97

Benzene (ppm)

ND

Total BTEX (ppm)

20.4

Field headspace (ppm) >2500

>2500

TPH (ppm) 7721

368.0

Ground Water Sample: Yes \_\_\_\_\_ No X (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 2/4/98

SIGNATURE

Shirley L. Ebert

PRINTED NAME  
AND TITLE

Shirley L. Ebert SHEAR Specialist

Folgrelson 9-1 Pit #1  
On Site Technologies, LTD.

Project # 4-1370

SUMMARY OF APRIL 9, 1997  
ASSESSMENT

SAMPLE	PID	TPH (ppm)	Depth
Composite	>2500.0	7721.0	3' below bottom of pit

SUMMARY OF JUNE 25, 1997  
SAMPLING

Depth In Feet	PID	Time
6.0	1749	0823
6.5	1532	0828
7.0	980	0833
7.5	>2500	0837
8.0	>2500	0847
8.5	>2500	0851
9.0	>2500	0902
9.5	>2500	0911
10.0	>2500	0915
11.0	>2500	0920
12.0	>2500	0930

Sample	TPH (ppm)	Benzene (ppm)	Total BTEX (ppm)
12.0'	368.0	ND	20.4

**Operator: Conoco**  
**Location Name: Fogelson 9-1**  
**Pit: #1**  
**Location: Unit F, Sec. 9, T29N, R11W**  
**Risk Ranking: 0**

## **RATIONAL FOR RISK-BASED CLOSURE OF PRODUCTION PITS LOCATED OUTSIDE OF THE VULNERABLE ZONE IN SAN JUAN BASIN**

This production pit location was ranked according to the criteria in the New Mexico Oil Conservation Division's Unlined Surface Impoundment Closure Guidelines and received a ranking score of zero. The estimated depth to groundwater is greater than 100-feet beneath ground surface (bgs), the pit is not in a well head protection area, and there is no surface water bodies within 1,000 horizontal feet of the pit location.

The primary source, discharge to pit has been removed. There has been no discharge to the pit for at least four (4) years and the pit has been closed for at least one year.

Each pit was back filled with clean soil and graded in a manner to divert precipitation away from excavated area. Minimal infiltration of rainfall is expected. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching the residual hydrocarbons.

There is no source material at the ground surface, so direct contact with livestock and populous is not likely.

In general, outside of the vulnerable area and alluvial valleys, bedrock material is generally encountered within twenty (20) feet of the ground surface. Bedrock material in the San Juan Basin consists of interbedded sandstones, shales and clays. According to Freeze and Cherry, 1979, the hydraulic conductivity of the bedrock material are as follows:

Sandstone	$10^{-9}$ to $10^{-13}$ cm/sec
Shale	$10^{-12}$ to $10^{-16}$ cm/sec
Clay	$10^{-12}$ to $10^{-15}$ cm/sec

Based on this information, the residual hydrocarbons should not migrate to groundwater.

Natural process (bioremediation) are degrading the residual hydrocarbon to carbon dioxide and water and will continue until source is gone, therefore minimizing any impact to the environment.

Based on the above information, it is highly unlikely that any source material will impact groundwater or ever find an exposure pathway to effect human health, therefore

***Conoco Inc. requests approval for closure of this pit location.***

OFF: (505) 325-5667



LAB: (505) 325-1556

**ANALYTICAL REPORT**

Attn: *Michael Lane*  
 Company: *On Site Technologies, Ltd.*  
 Address: *612 E. Murray Drive*  
 City, State: *Farmington, NM 87401*

Date: *17-Apr-97*  
 COC No.: *6306*  
 Sample No.: *14132*  
 Job No.: *4-1370*

Project Name: *Conoco - Fogelson 9-1*  
 Project Location: *Pit #1*  
 Sampled by: *MKL*  
 Analyzed by: *DC/HR*  
 Sample Matrix: *Soil*

Date: *9-Apr-97* Time: *14:10*  
 Date: *15-Apr-97*

**Laboratory Analysis**

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Gasoline Range Organics (C5 - C9)</i>	<i>2917</i>	<i>mg/kg</i>	<i>250</i>	<i>mg/kg</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>4804</i>	<i>mg/kg</i>	<i>10</i>	<i>mg/kg</i>

ND - Not Detected at Limit of Quantitation

**Quality Assurance Report**

GRO QC No.: 0537-STD

DRO QC No.: 0519-STD

**Continuing Calibration Verification**

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Gasoline Range (C5 - C9)</i>	<i>&lt; 50</i>	<i>ppb</i>	<i>1,351</i>	<i>1,360</i>	<i>0.7</i>	<i>15%</i>
<i>Diesel Range (C10 - C28)</i>	<i>&lt; 5</i>	<i>ppm</i>	<i>100</i>	<i>103</i>	<i>3.3</i>	<i>15%</i>

**Matrix Spike**

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Gasoline Range (C5-C9)</i>	<i>86</i>	<i>85</i>	<i>(80-120)</i>	<i>1</i>	<i>20%</i>
<i>Diesel Range (C10-C28)</i>	<i>97</i>	<i>93</i>	<i>(84-118)</i>	<i>4</i>	<i>20%</i>

**Method** - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas ChromatographyApproved by: *[Signature]*Date: *4/17/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

**TECHNOLOGIES, LTD.**

657 W. Maple • P. O. Box 2606 • Farmington NM 87499  
LAB: (505) 325-5667 • FAX: (505) 325-6256

657 W. Maple • P. O. Box 2606 • Farmington NM 87499

LAB: (505) 325-5667 • FAX: (505) 325-6256

[illegible]

Distribution: White -- On Site	Yellow -- LAB	Pink -- Sampler	Goldenrod -- Client
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OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: *Larry Trujillo*  
Company: *On Site Technologies, Ltd. c/o Conoco*  
Address: *612 E. Murray Drive*  
City, State *Farmington, NM 87401*

Date: *1-Jul-97*  
COC No.: *6443*  
Sample No.: *15072*  
Job No.: *4-1370*

Project Name: **Conoco, Inc. - Fogelson 9-1**  
Project Location: **Pit #1 @ 12'**  
Sampled by: *LT*  
Analyzed by: *DC/HR*  
Sample Matrix: *Soil*

Date: *25-Jun-97* Time: *9:30*  
GRO Date: *26-Jun-97*  
DRO Date: *27-Jun-97*

#### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Gasoline Range Organics (C5 - C9)</i>	<i>327</i>	<i>mg/kg</i>	<i>25</i>	<i>mg/kg</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>41</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

ND - Not Detected at Limit of Quantitation

#### Quality Assurance Report

GRO QC No.: 0537-STD  
DRO QC No.: 0548-STD

#### Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Gasoline Range (C5 - C9)</i>	<i>ND</i>	<i>ppb</i>	<i>1,351</i>	<i>1,244</i>	<i>8.3</i>	<i>15%</i>
<i>Diesel Range (C10 - C28)</i>	<i>ND</i>	<i>ppm</i>	<i>200</i>	<i>204</i>	<i>1.8</i>	<i>15%</i>

#### Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Gasoline Range (C5-C9)</i>	<i>98</i>	<i>97</i>	<i>(80-120)</i>	<i>1</i>	<i>20%</i>
<i>Diesel Range (C10-C28)</i>	<i>93</i>	<i>89</i>	<i>(84-118)</i>	<i>5</i>	<i>20%</i>

Method: *SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by: *[Signature]*  
Date: *2/1/97*

OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: **Larry Trujillo**  
Company: **On Site Technologies, Ltd. c/o Conoco**  
Address: **612 E. Murray Drive**  
City, State **Farmington, NM 87401**

Date: **2-Jul-97**  
COC No.: **6443**  
Sample No.: **15072**  
Job No.: **2-1000**

Project Name: **Conoco, Inc. - Fogelson 9-1**  
Project Location: **Pit #1 @ 12'**  
Sampled by: **LT**  
Analyzed by: **DC**  
Sample Matrix: **Soil**

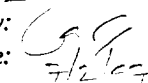
Date: **25-Jun-97** Time: **9:30**  
Date: **28-Jun-97**

#### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	100	ug/kg
<i>Toluene</i>	2874	ug/kg	100	ug/kg
<i>Ethylbenzene</i>	1246	ug/kg	100	ug/kg
<i>m,p-Xylene</i>	13266	ug/kg	100	ug/kg
<i>o-Xylene</i>	2855	ug/kg	100	ug/kg
	<b>TOTAL</b>	<b>20241</b>		<b>ug/kg</b>

ND - Not Detected at Limit of Quantitation

**Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography**

Approved by:   
Date: **7/2/97**



**ON SITE**  
TECHNOLOGIES, LTD.

## QUALITY ASSURANCE REPORT

Internal QC No.: 0527-STD  
Surrogate QC No.: 0528-STD  
Reference Standard QC No.: 0529/30-QC

Analyte	Result	Units of Measure
Average Amount of All Analytes In Blank	<1.0	ppb

Analyte	Units of Measure	True Value	Analyzed Value	% Diff	Limit
Benzene	ppb	20.0	19.4	3	15%
Toluene	ppb	20.0	20.2	1	15%
Ethylbenzene	ppb	20.0	20.3	2	15%
m,p-Xylene	ppb	40.0	39.8	0	15%
o-Xylene	ppb	20.0	20.4	2	15%

<b>Analyte</b>	<b>1- Percent Recovered</b>	<b>2 - Percent Recovered</b>	<b>Limit</b>	<b>%RSD</b>	<b>Limit</b>
<b>Benzene</b>	88	83	(39-150)	4	20%
<b>Toluene</b>	74	64	(46-148)	7	20%
<b>Ethylbenzene</b>	90	81	(32-160)	7	20%
<b>m,p-Xylene</b>	79	70	(35-145)	7	20%
<b>o-Xylene</b>	86	82	(35-145)	3	20%

	S1 Percent Recovered	S2 Percent Recovered
<b>Laboratory Identification</b>		
<b>Limit Percent Recovery</b>	(70-130)	
15072-6443	89	
	21K	12K
	7/7/97	2/5/97

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- TRYING TO BLEND IN WITH THE "IN" GROUP:



# CHAIN OF CUSTODY RECORD

6443

Date: 6/20/97

Page 1 of 1

657 W. Maple • P. O. Box 2606 • Farmington NM 87499  
LAB: (505) 325-5667 • FAX: (505) 325-6256

Purchase Order No.:		Job No. 4-1370	
Name Larry Trevilla		Title	
Company Conaco		Company Conaco	
Address		Mailing Address	
City, State, Zip		City, State, Zip	
Telephone No.		Telephone No.	
Telefax No.		Telefax No.	
Sampling Location: Farmington 9-1 pit 1-2		ANALYSIS REQUESTED	
Sampler: Larry Trevilla		Containers	
SEND INVOICE TO		REPORT TO	
SAMPLE IDENTIFICATION		PRES.	
DATE		TIME	
Pit # 1 @ 12'		Matrix Soil	
Pit # 2 @ 5'		Matrix Soil	
LAB ID		LAB ID	
Relinquished by: [Signature]		Received by: [Signature]	
Relinquished by:		Received by:	
Relinquished by:		Received by:	
Method of Shipment:		Rush	
Authorized by:		Special Instructions:	
(Client Signature Must Accompany Request)		24-48 Hours	
Date		10 Working Days	
Distribution: White - On Site		Yellow - LAB	
Pink - Sampler		Goldenrod - Client	

District I  
P.O. Box 1980, Hobbs, NM  
District II  
P.O. Drawer DD, 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

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APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: Conoco, Inc Telephone: 915-686-5453

Address: 10 Destra Drive, Suite 100W, Midland, TX 79705-4500

Facility Or: Fogelson 9-1 Pit #2  
Well Name

Location: Unit or Qtr/Qtr Unit F Sec 9 T29N R11W County San Juan

Pit Type: Separator      Dehydrator X Other     

Land Type: BLM X State      Fee      Other     

Pit Location: Pit dimensions: length 30', width 12' depth 3'  
(Attach diagram)

Reference: wellhead X other     

Footage from reference: 185'

Direction from reference: 0 Degrees      East North X  
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)
high water elevation of		
ground water)	<u>0</u>	

Wellhead Protection Area:	Yes (20 points)
(Less than 200 feet from a private	No (0 points)
domestic water source, or; less than	
1000 feet from all other water sources)	<u>0</u>

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)
irrigation canals and ditches)	<u>0</u>	

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: \_\_\_\_\_ Date Completed: \_\_\_\_\_

Remediation Method: Excavation \_\_\_\_\_ Approx. cubic yards \_\_\_\_\_  
(Check all appropriate sections) Landfarmed \_\_\_\_\_ Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

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

General Description Of Remedial Action: Pit assessed on 4/9/97. A composite sample was taken from bottom of the pit. PID reading on composite sample was >2500.0 ppm. Pit sampled on 6/25/97 to determine the vertical extent of contamination. A Grab sample was taken at five feet below bottom of the pit. Grab Sample PID reading 45.3 ppm. The sample was transported to laboratory for TPH analysis per EPA Method 8015M. Laboratory results of sample TPH was 368.0 ppm and BTEX was 20.2 ppm. Pit covered during site rehab, site rehab was done 9/15/97.

Ground Water Encountered: No ☒ Yes \_\_\_\_\_ Depth \_\_\_\_\_

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

Sample location: Center of Pit  
Re-sample location: Center of Pit

Sample depth: 3 feet below bottom of the pit  
Re-sample depth: 5 feet below bottom of the pit

Sample date: <u>4/9/97</u>	Sample time: <u>1425</u>
Re-sample date: <u>6/25/97</u>	Re-sample time: <u>1012</u>
Sample Results	
4/9/97	6/25/97

Benzene (ppm)

Total BTEX (ppm)

Field headspace (ppm) >2500.0 45.3

TPH 4965.0 368.0

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 2/4/98

SIGNATURE Shirley L. Ebert PRINTED NAME AND TITLE Shirley L. Ebert SHEAR Specialist

OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: *Michael Lane*  
Company: *On Site Technologies, Ltd.*  
Address: *612 E. Murray Drive*  
City, State: *Farmington, NM 87401*

Date: *17-Apr-97*  
COC No.: *6306*  
Sample No.: *14133*  
Job No.: *4-1370*

Project Name: *Conoco - Fogelson 9-1*  
Project Location: *Pit #2*  
Sampled by: *MKL*  
Analyzed by: *DC/HR*  
Sample Matrix: *Soil*

Date: *9-Apr-97* Time: *14:25*  
Date: *15-Apr-97*

#### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Gasoline Range Organics (C5 - C9)</i>	<i>3668</i>	<i>mg/kg</i>	<i>250</i>	<i>mg/kg</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>1297</i>	<i>mg/kg</i>	<i>5</i>	<i>mg/kg</i>

ND - Not Detected at Limit of Quantitation

#### Quality Assurance Report

GRO QC No.: 0537-STD

DRO QC No.: 0519-STD

#### Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Gasoline Range (C5 - C9)</i>	<i>&lt;50</i>	<i>ppb</i>	<i>1,351</i>	<i>1,360</i>	<i>0.7</i>	<i>15%</i>
<i>Diesel Range (C10 - C28)</i>	<i>&lt;5</i>	<i>ppm</i>	<i>100</i>	<i>103</i>	<i>3.3</i>	<i>15%</i>

#### Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Gasoline Range (C5-C9)</i>	<i>86</i>	<i>85</i>	<i>(80-120)</i>	<i>1</i>	<i>20%</i>
<i>Diesel Range (C10-C28)</i>	<i>97</i>	<i>93</i>	<i>(84-118)</i>	<i>4</i>	<i>20%</i>

**Method** - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: *[Signature]*

Date: *4/15/97*

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657 W. Maple • P. O. Box 2606 • Farmington NM 87499  
LAB: (505) 325-5667 • FAX: (505) 325-6256

[illegible]

Distribution:	White – On Site	Yellow – LAB	Pink – Sampler	Goldenrod – Client
---------------	-----------------	--------------	----------------	--------------------

OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: **Larry Trujillo**  
Company: **On Site Technologies, Ltd. c/o Conoco**  
Address: **612 E. Murray Drive**  
City, State **Farmington, NM 87401**

Date: **1-Jul-97**  
COC No.: **6443**  
Sample No.: **15073**  
Job No.: **4-1370**

Project Name: **Conoco, Inc. - Fogelson 9-1**  
Project Location: **Pit #2 @ 5'**  
Sampled by: **LT**  
Analyzed by: **DC/HR**  
Sample Matrix: **Soil**

Date: **25-Jun-97** Time: **10:12**  
GRO Date: **26-Jun-97**  
DRO Date: **27-Jun-97**

#### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Gasoline Range Organics (C5 - C9)</i>	ND	mg/kg	0.5	mg/kg
<i>Diesel Range Organics (C10 - C28)</i>	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

#### Quality Assurance Report

GRO QC No.: 0537-STD  
DRO QC No.: 0548-STD

#### Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Gasoline Range (C5 - C9)</i>	ND	ppb	1,351	1,244	8.3	15%
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	204	1.8	15%

#### Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Gasoline Range (C5-C9)</i>	98	97	(80-120)	1	20%
<i>Diesel Range (C10-C28)</i>	93	89	(84-118)	5	20%

Method: *SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by: *[Signature]*  
Date: *7/1/97*

657 W. Maple • P. O. Box 2606 • Farmington NM 87499  
LAB: (505) 325-5667 • FAX: (505) 325-6256

**TECHNOLOGIES, LTD.**

[illegible]

Distribution:	White – On Site	Yellow – LAB	Pink – Sampler	Goldenrod – Client
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