

DEPUTY OIL & GAS INSPECTOR

FEB 26 1998

JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

**P.O. BOX 507
DULCE, NEW MEXICO 87528**

**SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL-GAS
ADMINISTRATION**

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>PNM Gas Services (Conoco)</u>		Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>			
Facility or Well Name: <u>Axi Apache K-6</u>			
Location:	Unit: <u>G</u>	Sec. <u>9</u>	T <u>26</u> N R <u>5</u> W County <u>Rio Arriba</u>
Pit Type:	Separator <u> </u>	Dehydrator <u>X</u>	Other <u> </u>
Land Type: <u>Jicarilla Apache</u>			

Pit Location:	Pit dimensions:	length <u>35'</u>	width <u>26'</u>	depth <u>20'</u>
(Attach diagram)	Reference:	wellhead <u>X</u>	other <u> </u>	
	Footage from reference:	<u>120'</u>		
	Direction from reference:	<u>70°</u> Degrees	East <u> </u>	North <u> </u>
			West <u> </u>	South <u> </u>

Depth to Ground Water: (Vertical distance from contaminants to seasonal high water elevation or ground water)	Less than 50 feet	(20 points)	<u>0</u>
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 points)	
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)	Yes	(20 points)	<u>0</u>
	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)	<u>0</u>
	200 feet to 1,000 feet	(10 points)	
	Greater than 1,000 feet	(0 points)	
Distance to Ephemeral Stream (dry wash): (Horizontal distance to all downgradient streams having a width of at least 10 feet)	Less than or equal to 100 feet	(10 points)	<u>0</u>
	Greater than 100 feet	(0 points)	
Distance to Nearest Lake, Playa, or Watering Pond: (Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)	Less than or equal to 100 feet	(10 points)	<u>0</u>
	Greater than 100 feet	(0 points)	

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 NOV - 3 1997
OIL CON. DIV.
DIST. 3

RANKING SCORE (TOTAL POINTS):	<u>0</u>
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Date Remediation Started: 5/21/97 Date Completed: 8/20/97

Remediation Method: Excavation X Approx. Cubic Yards 674

(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds): 674

Other _____

Remediation Location: Onsite X Offsite _____

(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removed contaminated soil from all four side walls as to get it below 100 ppm head space reading. Bottom of this pit was solid sandstone rock

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample Location North, East, South + West side walls

Sample depth 18'

Sample date 5/27/97 Sample time 1526

Sample Results

Soil: Benzene (ppm) ND Water: Benzene (ppb) _____

Total BTEX (ppm) 0.118 Toluene (ppb) _____

Field headspace (ppm) 93.7 Ethylbenzene (ppb) _____

TPH 6.8 ppm Method 8015 Total Xylenes (ppb) _____

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 MY BELIEF

DATE 6/6/97 PRINTED NAME Ronald A. Dedrick

SIGNATURE Ronald A. Dedrick AND TITLE Environmental Technician II

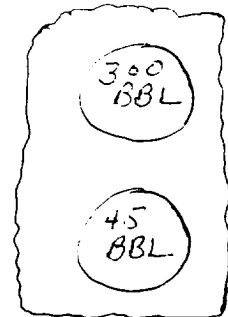
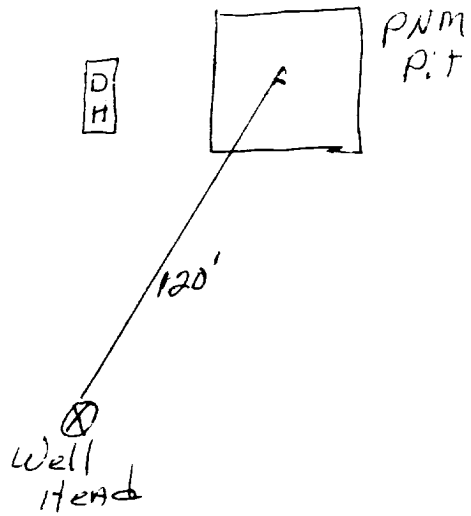
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): spray + close

SIGNED: Kurt M... DATE: 6-9-97

Hxi Hpaache K-6
Sec. 9 T26N R5W Unit G
Conoco

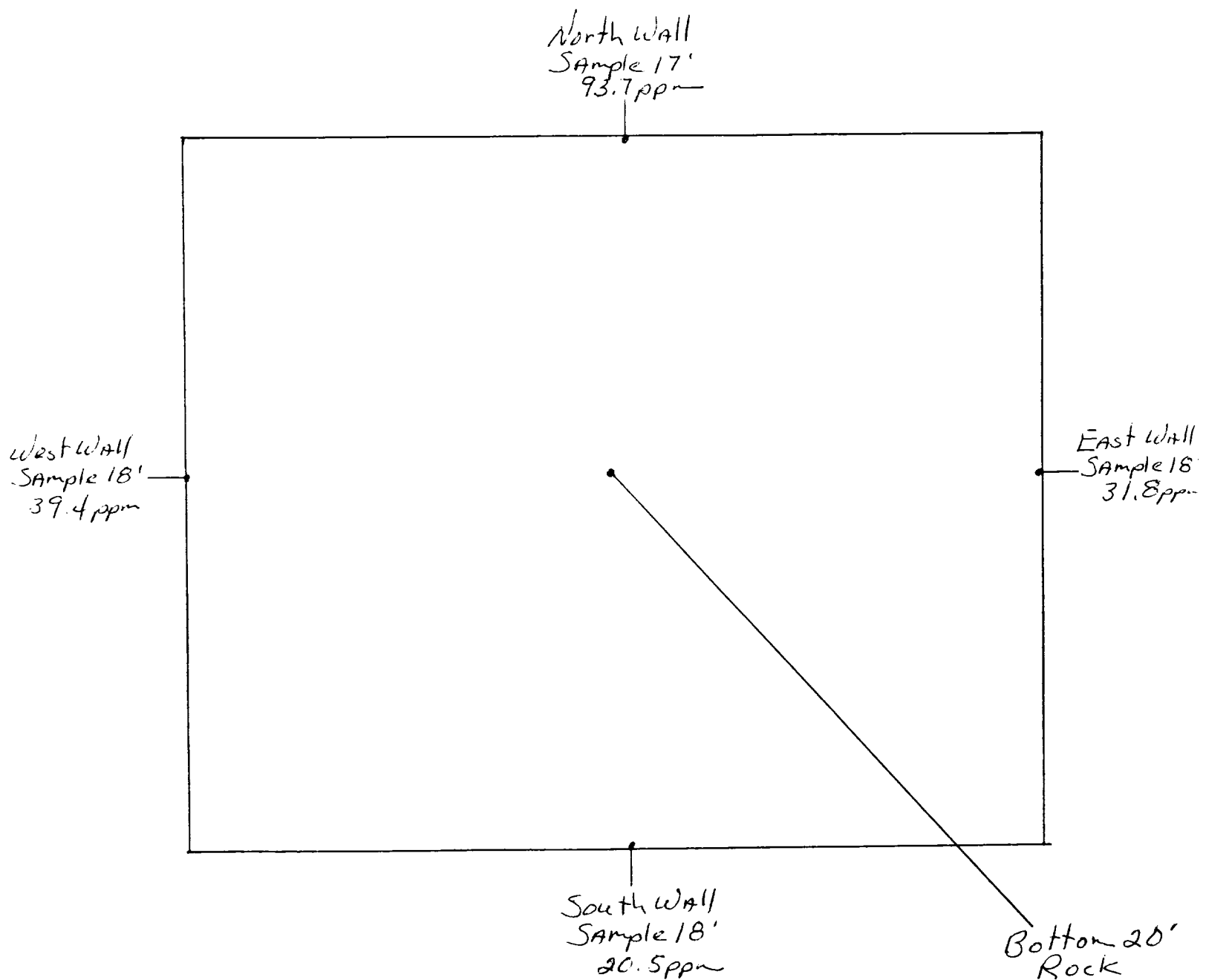
meter
House



SEP

Hx1 Hpnche K-6
Sec 9 T26N R5W Unit G
Conoco

35' x 26' x 20'



5' Sample - 983 ppm
10' Sample - 669 ppm
15' Sample - 406 ppm
20' Sample - Rock

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *4-Jun-97*
COC No.: *5481*
Sample No.: *14774*
Job No.: *2-1000*

Project Name: ***PNM Gas Services - Axi Apache K-6***
Project Location: ***9705271526; 4pt. Composite***
Sampled by: *TE* Date: *27-May-97* Time: *15:26*
Analyzed by: *DC* Date: *3-Jun-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	6.8	mg/kg	5.0	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0519-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	192	4.3	15%

Matrix Spike

Parameter	1 - Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	96	102	(70-130)	6	20%

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

Approved by: *[Signature]*

Date: *6/4/97*

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *3-Jun-97*
COC No.: *5481*
Sample No.: *14774*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Axí Apache K-6*
Project Location: *9705271526; 4pt. Composite*
Sampled by: *TE* Date: *27-May-97* Time: *15:26*
Analyzed by: *DC* Date: *30-May-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	1	ug/kg
<i>Toluene</i>	3	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	4	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	80	ug/kg	1	ug/kg
<i>o-Xylene</i>	31	ug/kg	1	ug/kg
	<i>TOTAL</i>	118		ug/kg

ND - Not Detected at Limit of Quantitation

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

Approved by: *[Signature]*
Date: *6/3/97*

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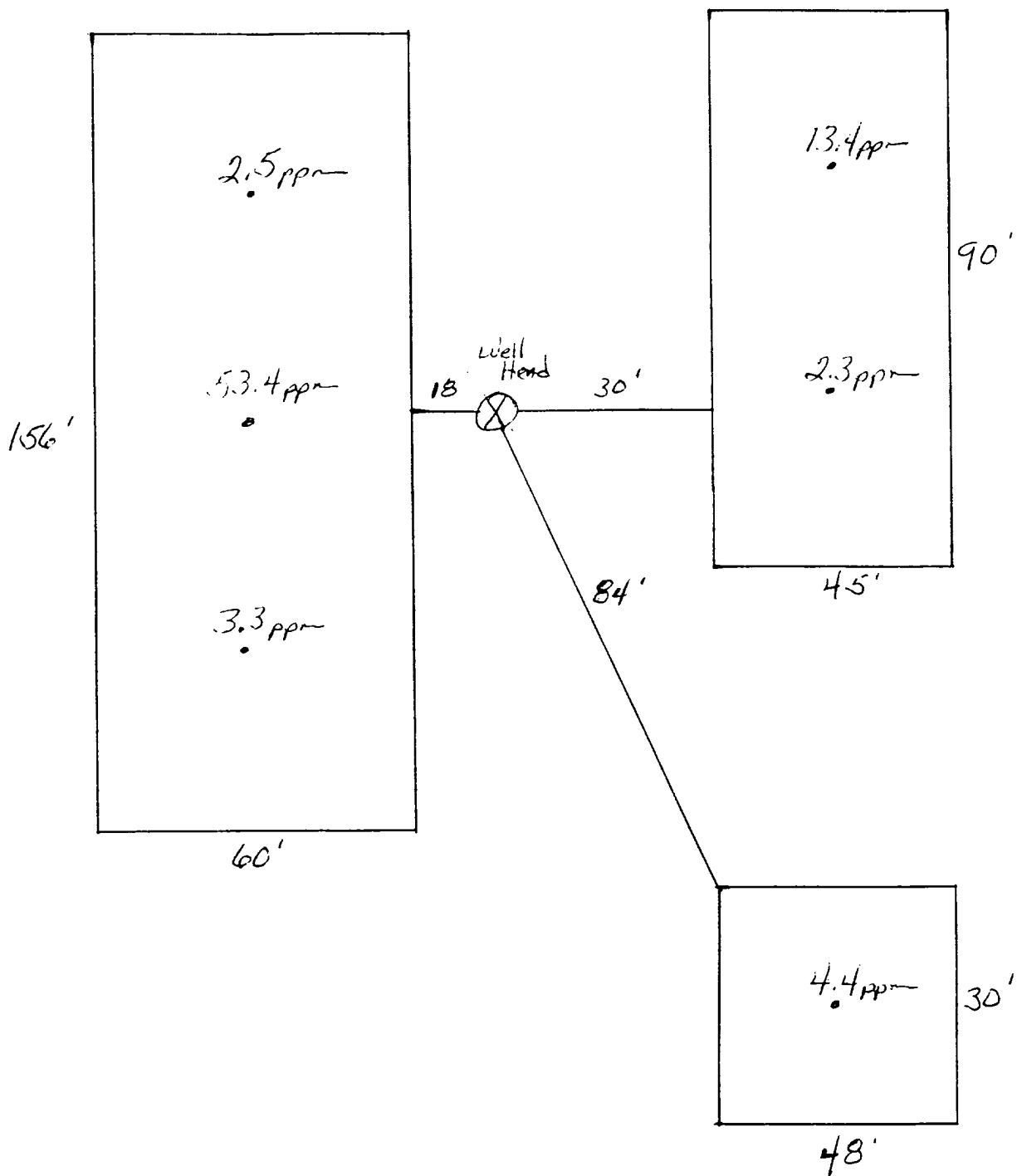
SUBMIT 1 COPY TO
NATURAL
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AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Conoco) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Axi Apache K-6	
Location: Unit: G Sec. 9 T. 26 N R. 5 W County Rio Arriba	
Land Type: Jicarilla Apache	
Date Remediation Started: 5/21/97 Date Completed: 8/15/97	
Remediation Method: Landfarmed X Approx. cubic yards 674	
Composted	
Other	
Depth to Ground Water: (pts.) 0	Final Closure Sampling:
Distance to an Ephemeral Stream: (pts.) 0	Sampling Date: 8/14/97 Time 0759
Distance to Nearest Lake, Playa, or Watering Pond: (pts.) 0	Sampling Results:
Wellhead Protection Area: (pts.) 0	Field Headspace (ppm) 53.4
Distance to Surface Water: (pts.) 0	TPH (ppm) 26 Method 8015
Ranking Score (Total Points): 0	Other 16
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE 8/18/97	PRINTED NAME Ronald A. Dedrick
SIGNATURE Ronald A. Dedrick	AND TITLE Environmental Technician II
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	
APPROVED: YES X NO	(REASON) use as Backfill
SIGNED: [Signature]	DATE: 8-18-97

Hxi Hache K-6
Sec. 9 T26N R5W Unit G
Conoco

Land farm



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *18-Aug-97*
COC No.: *5544*
Sample No.: *15778*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Axi Apache K-6 Landfarm*
Project Location: *9708140759; 6pt. Composite*
Sampled by: *RB* Date: *14-Aug-97* Time: *7:59*
Analyzed by: *HR/DC* Date: *15-Aug-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	16	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	194	2.9	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	83	85	(70-130)	2	20%

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

Approved by: *[Signature]*
Date: *8/18/97*

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