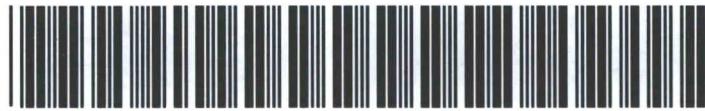




AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pENV0000003RP9

3RP - 9

BP AMERICA PRODUCTION COMPANY

5/4/2018

3R-9

**Historic General
Correspondence**

**Date:
Pre 2000**



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

August 17, 1999

CERTIFIED MAIL
RETURN RECEIPT NO. Z-274-520-696

Mr. B.D. Shaw
Amoco Production Company
200 Amoco Court
Farmington, New Mexico 87401

RECEIVED
AUG 19 1999
OIL CON. DIV.
DIST. 3

**RE: GROUND WATER CONTAMINATION
FLORANCE GAS COM #16A WELL SITE**

Dear Mr. Shaw:

The New Mexico Oil Conservation Division (OCD) has reviewed Amoco Production Company's (Amoco) June 15, 1999 "FLORANCE 16A SEEP". This document contains Amoco's proposed remediation plan for ground water contamination at Amoco's Florance #16A well site located in Unit P, Section 6, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico.

The above referenced remediation plan is approved with the following conditions:

1. Amoco shall install soil borings and monitor wells to determine the extent and source of ground water contamination related to Amoco's activities. The soil boring and monitor well investigations shall be conducted according to Amoco's prior approved pit closure and ground water management plans.
2. Soil remediation activities in the wash and at the well site shall be conducted according to Amoco's prior approved pit closure plan.
3. All wastes generated shall be disposed of at an OCD approved facility.

Please be advised that OCD approval does not limit Amoco to the proposed work plan if the actions fail to remediate contamination related to Amoco's activities, or if contamination exists which is outside the scope of the work plan. In addition, OCD approval does not relieve Amoco of responsibility for compliance with any other federal, state, tribal or local laws and regulations.

If you have any questions or comments, please call me at (505) 827-7154.

Sincerely,

A handwritten signature in black ink, appearing to read "Will Olson". The signature is fluid and cursive, with the first name "Will" and the last name "Olson" clearly distinguishable.

William C. Olson
Hydrologist
Environmental Bureau

xc: **OCD Aztec District Office**
Bill Liess, BLM Farmington District Office
Mark Harvey, Williams Field Services



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

May 5, 1999

RECEIVED
MAY 10 1999
OIL CON. DIV.
DIST. 3

CERTIFIED MAIL
RETURN RECEIPT NO. Z-274-520-651

Mr. B.D. Shaw
Amoco Production Company
200 Amoco Court
Farmington, New Mexico 87401

**RE: GROUND WATER CONTAMINATION
FLORANCE GAS COM #16A WELL SITE**

Dear Mr. Shaw:

The New Mexico Oil Conservation Division (OCD) recently inspected Amoco's Florance Gas Com #16A well site located in Unit P, Section 6, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico. During the inspection it was noted that product and water was seeping out of the top of a bedrock contact approximately 300 feet from the well pad. This bedrock underlies the Florance Gas Com #16A well pad and it appears that the fluids are originating from this site.

A review of OCD files on this site shows that both Amoco and Williams Field Services (WFS) had unlined pits at this location for the disposal of oilfield wastes. The OCD requires that both Amoco and WFS address whether this soil and ground water contamination is a result of their activities. The OCD requires that Amoco investigate and remediate any contamination related to their activities pursuant to Amoco's previously approved soil and ground water investigation and remediation plans. The OCD requests that Amoco work in conjunction with WFS in implementing investigation and remediation of the site.

If you have any questions or comments, please call me at (505) 827-7154.

Sincerely,

A handwritten signature in cursive script, appearing to read "Will Olson".

William C. Olson
Hydrologist
Environmental Bureau

xc: **OCD Aztec District Office**
Bill Liess, BLM Farmington District Office
Ingrid A. Deklau, Williams Field Services



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

August 17, 1999

CERTIFIED MAIL
RETURN RECEIPT NO. Z-274-520-695

Mr. Mark Harvey
Williams Field Services
P.O. Box 58900
Salt Lake City, Utah 84108

RECEIVED
AUG 19 1999
OIL CON. DIV.
DIST. 3

**RE: GROUND WATER CONTAMINATION
FLORANCE GAS COM #16A WELL SITE**

Dear Mr. Harvey:

The New Mexico Oil Conservation Division (OCD) reviewed Williams Field Service's (WFS) June 10, 1999 "CONTAMINATION AT THE FLORANCE #16A AND YOUR LETTER OF MAY 6, 1999". This document contains the results of WFS's investigation of contamination related to WFS disposal activities at Amoco Production Company's (Amoco) Florance Gas Com #16A well site located in Unit P, Section 6, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico. The document concludes that WFS's activities did not contribute to ground water contamination at the site.

The OCD notes that past WFS pit closure data at the site shows that elevated levels of benzene, toluene, ethylbenzene and xylene were present in soil at the base of the excavation of WFS's dehydration pit. Due to the apparent shallow ground water depth, it is possible that WFS's activities may have contributed to the ground water contamination. However, the OCD defers comment on WFS's conclusions until the OCD reviews the results of Amoco's investigations.

If you have any questions or comments, please call me at (505) 827-7154.

Sincerely,

William C. Olson
Hydrologist
Environmental Bureau

xc: **Denny Foust, OCD Aztec District Office**
Bill Liess, BLM Farmington District Office
B.D. Shaw, Amoco Production Company

BP Amoco



Amoco Production Company
San Juan Operations Center
200 Amoco Court
Farmington, New Mexico 87401

June 15, 1999

Bureau of Land Management
1235 La Plata Hwy
Farmington, NM 87401

Attention: Ruben Sanchez

Florance 16A Seep

RECEIVED
JUN 15 1999

OIL CON. DIV.
DIST. 3

Listed below is Amoco's proposed plan for the above subject wellsite. Please review and advise your concurrence/comments/suggestions.

1. Install sump to collect seepage
2. Divert runoff above the seep(East)
3. Remediate the wash area
4. Fence water areas to protect wildlife
5. Sample spring(s) for water quality/BTEX
6. Evaluate coring to flush the area of hydrocarbons

I am also sending a copy to the NMOCD for their input and approval! Thank you for your help and cooperation in this matter.

Buddy Shaw

Buddy Shaw
Environmental Coordinator
(505) 326-9219

CC: NMOCD-Aztec/Santa Fe



295 Chipeta Way
P.O. Box 58900
Salt Lake City, UT 84108
801-584-6361
801-584-7760 Fax

RECEIVED
JUN 14 1999

OIL CON. DIV.
DIST. 3

June 10, 1999

Mr. Bill Olson
New Mexico Oil Conservation Division
2040 S. Pacheco
Sante Fe, NM 87505

RE: CONTAMINATION AT THE FLORANCE #16A AND YOUR LETTER OF MAY 6, 1999

Dear Bill:

In response to your letter of May 6, 1999, Williams Field Services (WFS) has completed an investigation at the above named site to determine if the soil and groundwater contamination is a result of WFS activities. A report on the investigation is enclosed.

Based on observations made in the field as well as the results of analyses performed on contaminated soils from the site, WFS has concluded that current dehydration and metering operations did not contribute to the contamination. Notwithstanding, impacts from the historic utilization of an unlined dehydration pit at this location have previously been addressed by Public Service of New Mexico (PNM) and approved by the Oil Conservation Division (OCD). A copy of the PNM Pit Remediation and Closure Report is enclosed for your reference. All known conditions suggest the problem is the result of Amoco operations.

WFS is ready to assist the Oil Conservation Division and Amoco Production Company to the extent appropriate. With this submittal, requirements defined in your letter of May 6, 1999 are considered satisfied. Your time to review this submittal is appreciated.

Sincerely,

Mark Harvey
Project Coordinator

Enclosure – Florence #16A Report

Cc: Ingrid Deklau – WFS
Denny Foust – OCD
Buddy Shaw – Amoco Production Company

INVESTIGATION AT THE FLORANCE #16A

1.0 Background

During June 1996, as part of the agreement between Williams Field Services (WFS) and Public Service of New Mexico (PNM), the earthen dehydration pit at the Florance #16A was removed from service and effectively closed consistent with the New Mexico Oil Conservation Division (OCD) Pit Closure Guidelines. Subsequent to this action and following approximately three years of operations by WFS, the OCD inspected the well site and discovered product (i.e. petroleum hydrocarbons) and water seeping out of the top of a bedrock contact approximately 300 feet from the well pad.

Following this discovery, the OCD issued a letter to WFS dated May 6, 1999 requiring a determination of whether or not the contamination resulted from WFS operations. This report describes the investigation and the results obtained.

2.0 Site Investigation

A WFS Environmental Services representative visited the site on June 1, 1999 to make visual observations and collect samples as appropriate to better understand site conditions. Site reconnaissance revealed only minor impacts on the well pad in the form of soil staining around the WFS dehydration tank and the Amoco product storage and produced water tanks. Interviews with field operations personnel revealed that Amoco may have replaced the product storage tanks in 1996.

To the west and southwest of the well pad, significant oil staining was observed. The nearest staining was approximately 175 feet west of the well pad at the base of a sandstone outcrop. A small amount of water was also seeping from this point (SP-01). Further north of this point was a groundwater seep at the same relative elevation with no apparent hydrocarbon impact. Vegetation in the immediate vicinity of the northern most ground water seep is indicative of perennial moisture. Both seeps were estimated to be approximately 18 feet lower than the well pad elevation.

The second hydrocarbon seep (SP-02) was observed southwest of the well pad approximately 325 feet. This seep seemed to emanate from a small outcrop near the head of a localized drainage. The drainage was observed to have significant hydrocarbon staining and free hydrocarbon liquids for approximately 100 feet. Sorbent material had been applied to the affected drainage area and was covered by chicken wire to apparently keep the sorbent in place.

Soil samples were collected from four areas. Samples were collected from each of the hydrocarbon seeps described above as well as from soils adjacent to the WFS dehydration tank (DHY-01) and the Amoco below grade crude oil tank (AMO-TK01). Aside from a casing leak, the tanks were seen as the likely sources of the contamination observed and there was limited hydrocarbon impact at each. Samples were collected using a stainless steel probe and placed into clean 4-oz glass jars. The probe was decontaminated between each sampling event to prevent cross contamination. Soil samples were immediately placed into an iced cooler and hand carried to the laboratory for "fingerprint" analyses.

3.0 Analytical Results

Samples were delivered to James W. Bunger and Associates, Incorporated (Bunger) in Salt Lake City, UT. Each sample was analyzed by gas chromatography – mass spectrometry in an attempt to determine the type of petroleum hydrocarbons present in the soil. The Bunger results, dated June 10, 1999 and included in this report, indicate that the hydrocarbons present at the Amoco tank are very similar to the hydrocarbons found at the two seep areas. The hydrocarbons present at the dehydration tank are dissimilar according to the Bunger results in that they lack components above C₁₁. The report concludes that the contamination found at each seep is not the result of hydrocarbons from the dehydrator discharge. Chromatographs from each sample analyzed are also included with the Bunger results.

Based on this investigation, as well as the apparent successful remediation of the former unlined pit, it appears further investigation and additional remediation should be the responsibility of Amoco.

**JAMES W. BUNGER
AND ASSOCIATES, INC.**

Energy Technology & Engineering

2207 W. Alexander St./P.O. Box 520037
Salt Lake City, UT 84152-0037
(801) 975-1456



June 10, 1999

Mr. Mark Harvey
Environmental Services
Williams Field Services
295 Chipeta Way
Salt Lake City, UT 84158-0900

Dear Mr. Harvey:

Four soil samples were received and analyzed by gc-ms. Results show the following:

Sample FL16A-AMO-TK01 exhibits a distribution of components typical of a crude oil.

Sample FL16A-SP02 exhibits a distribution of components characteristic of a degraded crude oil. Degradation is seen both in terms of loss of light ends, which is probably due to exposure to air at the surface, and in terms of partial loss of n-paraffins compared to iso-paraffins due to biodegradation.

Sample FL16A-SP01 exhibits a distribution of crude oil components but with relatively higher concentrations of diesel range components compared to SP02 or TK01. This enrichment in diesel range components could be due to the action of water which would preferentially mobilize lighter components while leaving larger components (boiling in the atmospheric resid range) adsorbed on the soil along the migration path.

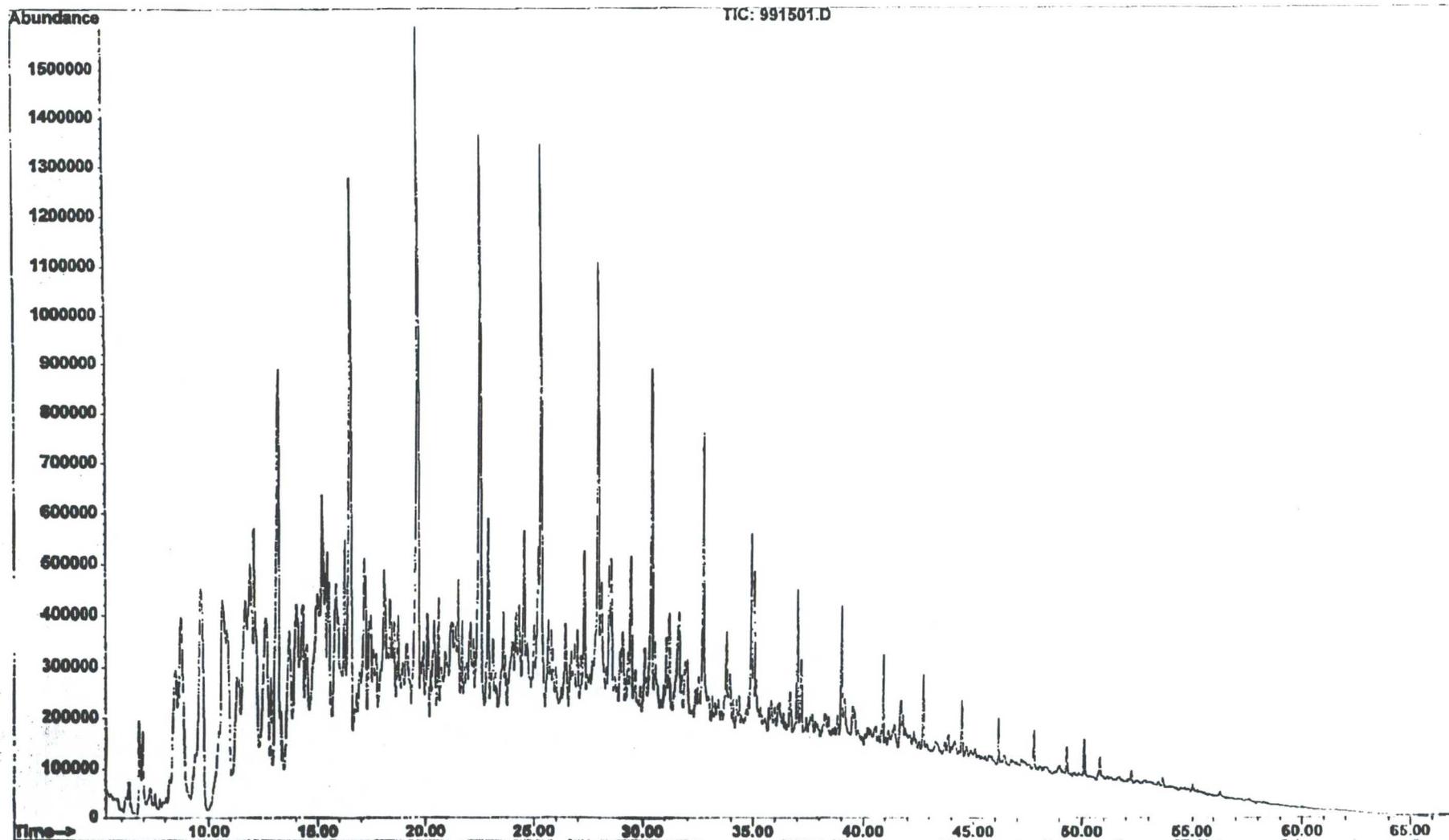
Sample FL16A-DHY-01 exhibits components typical of a natural gas condensate and contains none of the components larger than about n-C₁₁ found in the other three samples. Because of the lack of heavy components, it is not possible that AMO-TK01, SP01 or SP02 derived from the same release as DHY-01. Conversely, the lack of a bimodal distribution exhibited in AMO-TK01, SP02 and SP01 argues that the source of DHY-01 is not a contributor to the other three contaminant sites.

It is not possible to age date these samples without further considering other factors related to this contamination site. However, the observation of weathering and the changes in distribution resulting from water and soil interactions suggests the samples are not fresh releases and the time since release for SP01 and SP02 could be a matter of a few years rather than a few months.

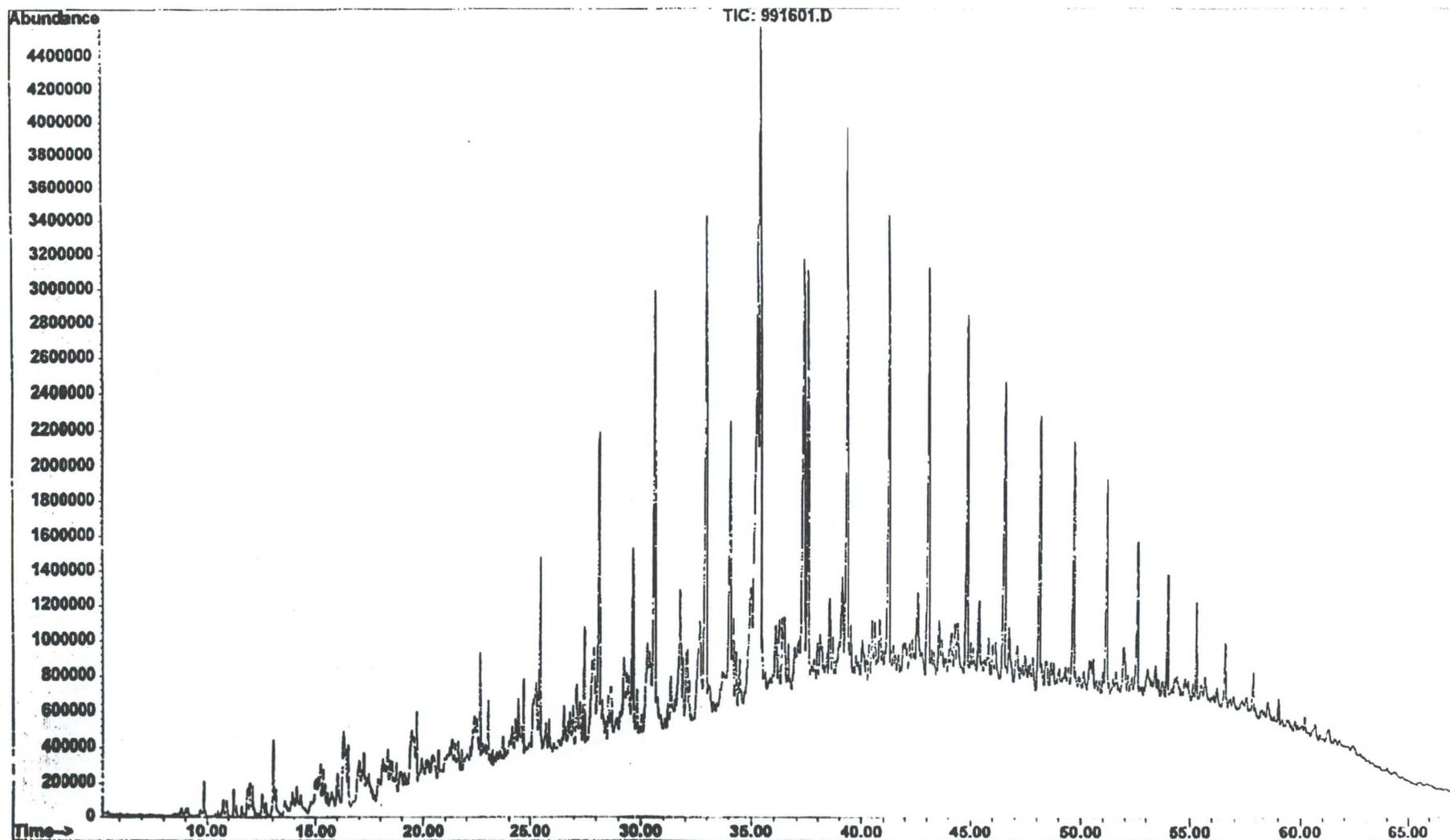
Sincerely yours,

James W. Bunger
James W. Bunger, Ph. D.
President

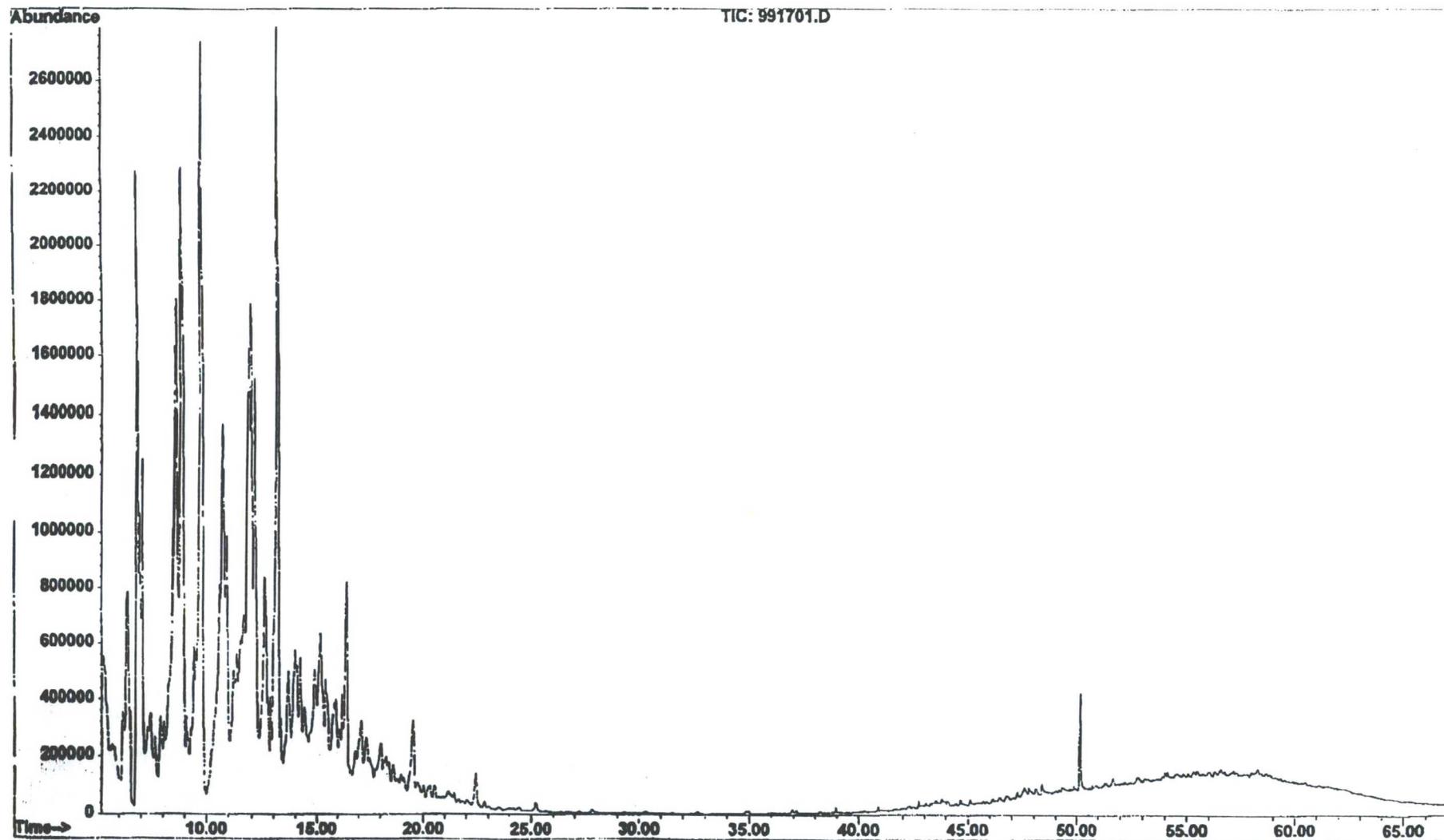
File : C:\HPCHEM\1\DATA\WFS\991501.D
Operator : Don
Acquired : 2 Jun 99 5:00 pm using AcqMethod DCRDSHRT
Instrument : GC/MS Ins
Sample Name: WFS-99-15 lul inj. in pentane
Misc Info : soil extract FL16A-SP01
Vial Number: 2



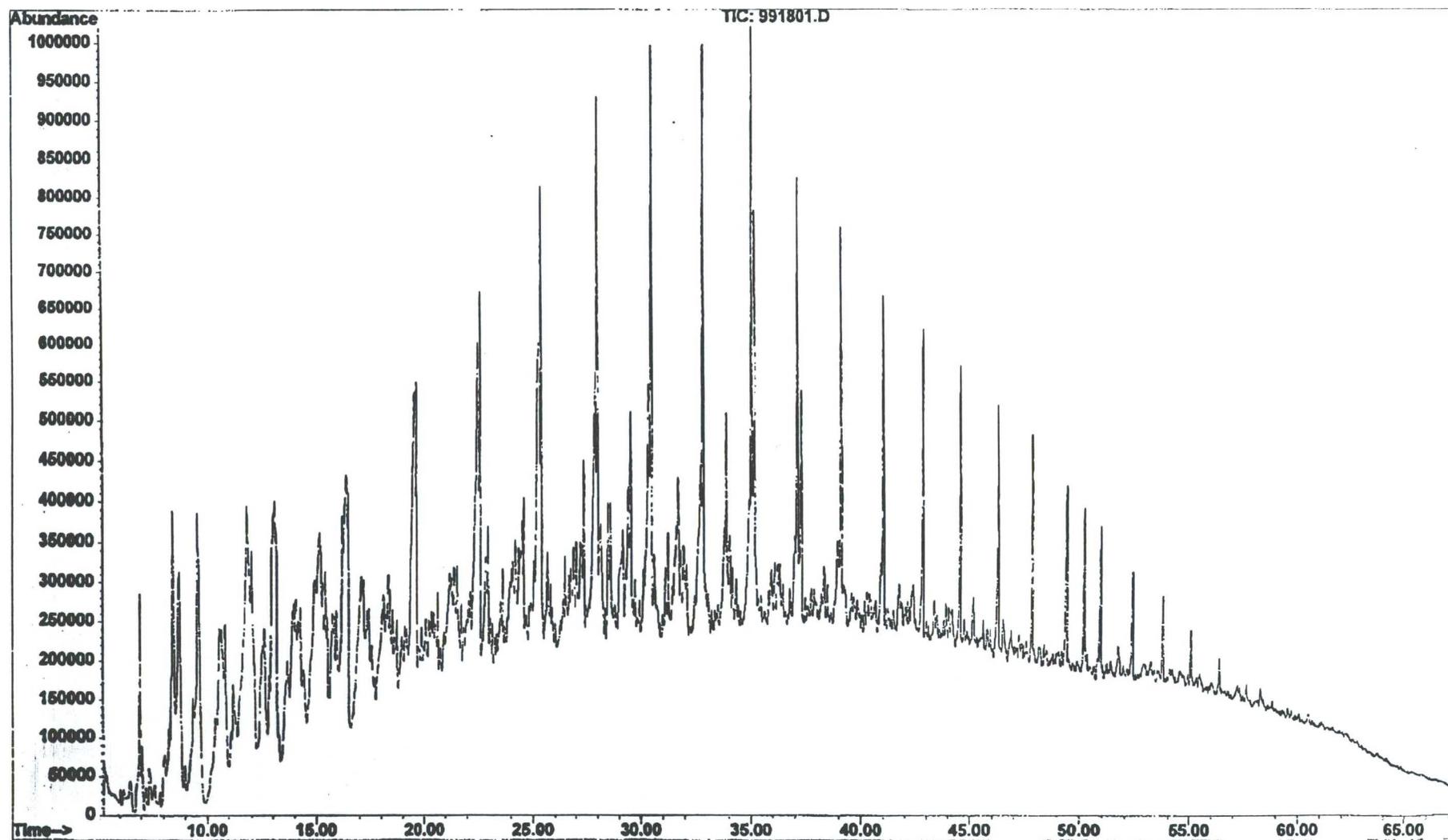
File : C:\HPCHEM\1\DATA\WFS\991601.D
Operator : Don
Acquired : 2 Jun 99 6:19 pm using AcqMethod DCRDSHRT
Instrument : GC/MS Ins
Sample Name: WFS-99-16 lul inj. in pentane
Misc Info : soil extract FL16A-SP02
Vial Number: 3



File : C:\HPCHEM\1\DATA\WFS\991701.D
Operator : Don
Acquired : 2 Jun 99 7:37 pm using AcqMethod DCRDSHRT
Instrument : GC/MS Ins
Sample Name: WFS-99-17 lul inj. in pentane
Misc Info : soil extract FL16A-DH7-01
Vial Number: 4



File : C:\HPCHEM\1\DATA\WFS\991801.D
Operator : Don
Acquired : 2 Jun 99 8:55 pm using AcqMethod DCRDSHRT
Instrument : GC/MS Ins
Sample Name: WFS-99-18 lul inj. in pentane
Misc Info : soil extract FL16A-AMO-TK01
Vial Number: 5



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

District II
Drawer DD, Artesia, NM 88221

District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (Amoco)	Telephone:	324-3764
Address:	603 W. Elm Street Farmington, NM 87401		
Facility or Well Name:	Florance #16A		
Location:	Unit: <u>P</u>	Sec. <u>6</u>	T. <u>30 N</u> R. <u>9 W</u> County <u>San Juan</u>
Pit Type:	Separator <input type="checkbox"/>	Dehydrator <input checked="" type="checkbox"/>	Other _____
Land Type:	BLM <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Fee <input type="checkbox"/> Other _____
Pit Location:	Pit dimensions:	length <u>20</u> ' width <u>20</u> ' depth <u>4</u> ' _____	
(Attach diagram)	Reference:	wellhead <input checked="" type="checkbox"/> other _____	
	Footage from reference:	<u>110'</u> _____	
	Direction from reference:	<u>20</u> Degrees <input checked="" type="checkbox"/> East <input type="checkbox"/> North _____	
		<input type="checkbox"/> West <input checked="" type="checkbox"/> South _____	
Depth to Ground Water:	Less than 50 feet	(20 points)	0
(Vertical distance from contaminants to seasonal high water elevation of ground water)	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 points)	
Wellhead Protection Area:	Yes	(20 points)	0
(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)	No	(0 points)	
Distance to Surface Water:	Less than 200 feet	(20 points)	0
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	200 feet to 1,000 feet	(10 points)	
	Greater than 1,000 feet	(0 points)	
RANKING SCORE (TOTAL POINTS):			0

Florance #16A

Date Remediation Started: 6/21/96 Date Completed: 6/26/96

Remediation Method: Excavation X Approx. Cubic Yard 348

(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds) 348

Other _____

Remediation Location: Onsite 241 yds Offsite Florance #99 (P&A) 6-30N-9W - 107 yds
(i.e., landfarmed onsite, name and location of offsite facility)

Backfill Material Location: _____

General Description of Remedial Action:

Excavated contaminated soil to pit size of 28'x42'x8' and landfarmed soil onsite/offsite within a bermed area at a depth of 6" to 12". Soil was aerated by plowing/disking until soil met regulatory levels.

Ground Water Encountered: No Yes Depth _____

Final Pit Closure Sampling: Sample Location 5 pt. composite-4 side walls and center of pit bottom

(if multiple samples, attach sample result and diagram of sample locations and depths.) Sample depth 8'

Sample date 6/24/96 Sample time 1:30:00 PM

Sample Results

Benzene (ppm) 0.1206

Total BTEX (ppm) 8.3783

Field headspace (ppm) _____

TPH 145.40 Method 8015A

Vertical Extent (ft) _____ Risk Assessment form attached Yes No

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

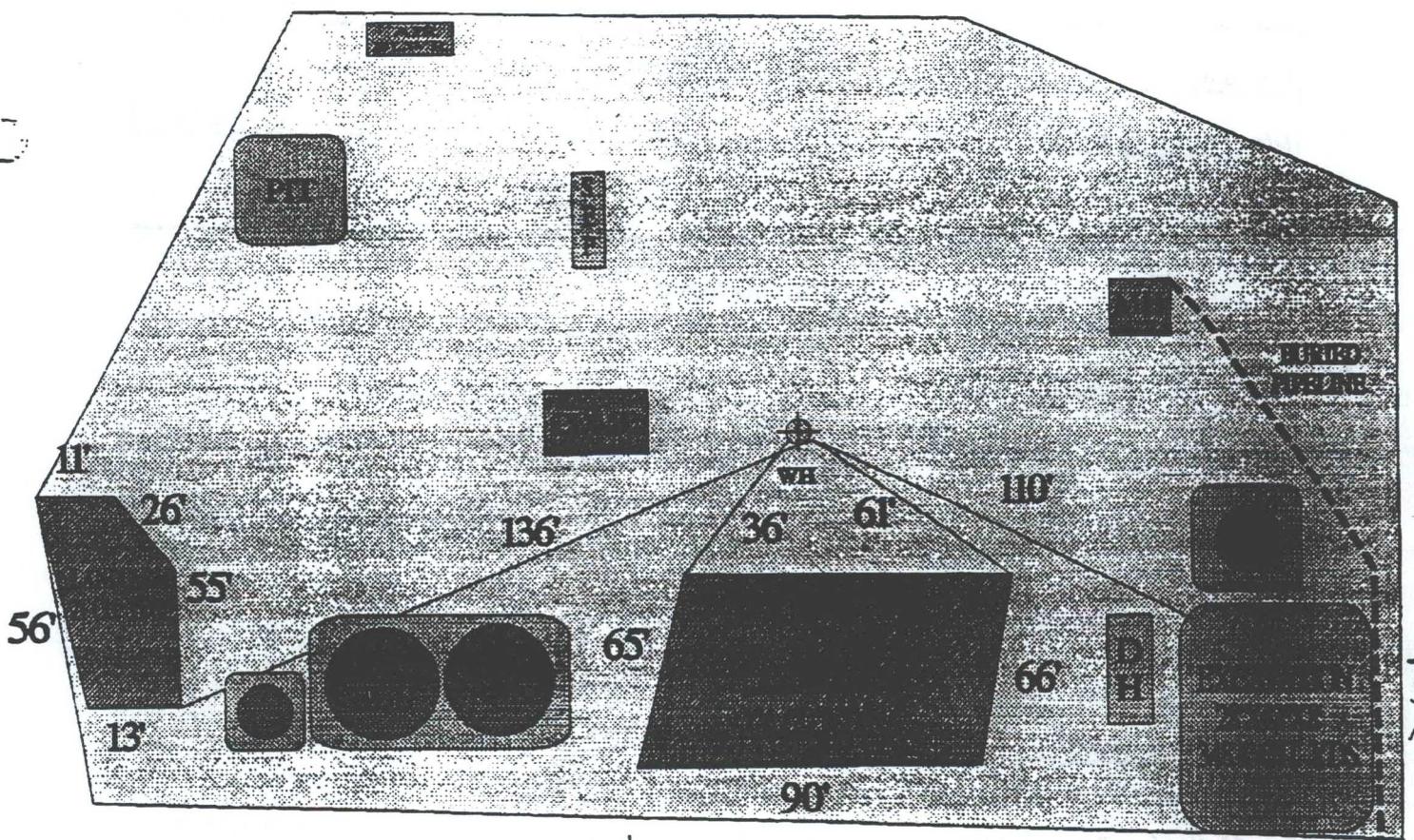
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE October 25, 1996

SIGNATURE Maurcen Gannon

PRINTED NAME AND TITLE Maurcen Gannon Environmental Engineer

FLORANCE #16A EXCAVATION 06/26/96



 WELL PAD

↓
Springs ~ 300'

OFF: (505) 325-8786



LAB: (505) 325-5667

Diesel Range Organics

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

Date: 26-Jun-96
 COC No.: 4718
 Sample No. 11285
 Job No. 2-1000

Project Name: *PNM Gas Services - Florance #16A*
 Project Location: *9606241330; Pit Excavation Composite Sample*
 Sampled by: RH Date: 24-Jun-96 Time: 13:30
 Analyzed by: DC Date: 25-Jun-96
 Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	145.4	mg/kg	5.0	mg/kg

Quality Assurance Report

DRO QC No.: 0475-QC

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
<i>Diesel Range (C10 - C28)</i>	<5.0	ppm	2,000	1,898	5.1	15%

Matrix Spike

Parameter	1- Percent Recovered	2- Percent Recovered	Limit	%RSD	Limit
<i>Diesel Range (C10-C28)</i>	103	94	(70-130)	6	20%

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

Approved by: *Jelly*
 Date: *6/26/96*

P. O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



OFF: (505) 325-8786

LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

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

Date: *26-Jun-96*
 COC No.: *4718*
 Sample No. *11285*
 Job No. *2-1000*

Project Name: *PNM Gas Services - Florance #16A*
 Project Location: *9606241330; Pit Excavation Composite Sample*
 Sampled by: *RH* Date: *24-Jun-96* Time: *13:30*
 Analyzed by: *DC* Date: *25-Jun-96*
 Sample Matrix: *Soil*

Aromatic Volatile Organics

Component	Result	Units of Measure	Detection Limit	Units of Measure
<i>Benzene</i>	<i>120.6</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>292.0</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>494.1</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>7088.5</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>383.0</i>	<i>ug/kg</i>	<i>0.2</i>	<i>ug/kg</i>
TOTAL	8378.3	ug/kg		

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

Approved by: *Jaly*
 Date: *6/26/96*

P. O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Florance 16A
Amoco
Sec. 06-30N-09W

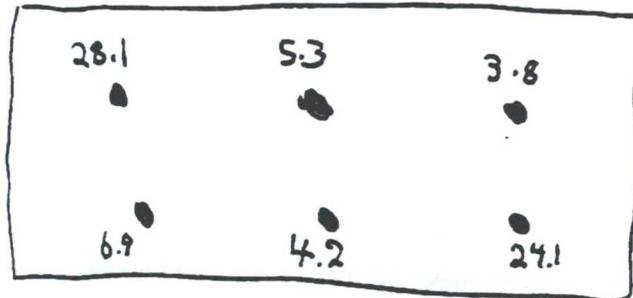
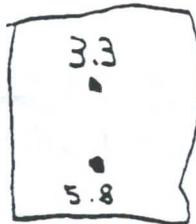
July 30, 1996

Land Farm: On Location
204 Yards

Composite Sample #: 9607311625

Soil Vapor Head-Space Reading = 49.1 ppm (PID)

Sample depths between 2" and 12"





OFF: (505) 325-5667

LAB: (505) 325-1556

Diesel Range Organics

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

Date: *2-Aug-96*
 COC No.: *4932*
 Sample No. *11640*
 Job No. *2-1000*

Project Name: *PNM Gas Services - Florence 16A Landfarm*
 Project Location: *9607301625; 8pt. Composite, 2-12" depth*
 Sampled by: *GC* Date: *30-Jul-96* Time: *16:25*
 Analyzed by: *DC/HR* Date: *31-Jul-96*
 Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	<i>88.4</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance ReportDRO QC No.: *0479-QC***Calibration Check**

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
<i>Diesel Range (C10 - C28)</i>	<i><5.0</i>	<i>ppm</i>	<i>2,000</i>	<i>1,883</i>	<i>5.8</i>	<i>15%</i>

Matrix Spike

Parameter	1- Percent Recovered	2- Percent Recovered	Limit	%RSD	Limit
<i>Diesel Range (C10-C28)</i>	<i>109</i>	<i>99</i>	<i>(70-130)</i>	<i>7</i>	<i>20%</i>

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

Approved by: *Duff*
 Date: *8/2/96*



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

May 6, 1999

CERTIFIED MAIL

RETURN RECEIPT NO. Z-274-520-652

Ms. Ingrid A. Deklau
Williams Energy Group
P.O. Box 58900
Salt Lake City, Utah 84158-0900

**RE: GROUND WATER CONTAMINATION
FLORANCE GAS COM #16A WELL SITE**

Dear Ms. Deklau:

The New Mexico Oil Conservation Division (OCD) recently inspected Amoco's Florance Gas Com #16A well site located in Unit P, Section 6, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico. During the inspection it was noted that product and water was seeping out of the top of a bedrock contact approximately 300 feet from the well pad. This bedrock underlies the Florance Gas Com #16A well pad and it appears that the fluids are originating from this site.

A review of OCD files on the site shows that both Amoco and Williams Field Services (WFS) had unlined pits at this location for the disposal of oilfield wastes. The OCD requires that both Amoco and WFS address whether this soil and ground water contamination is a result of their activities. The OCD requires that WFS investigate and remediate any contamination related to their activities pursuant to WFS's previously approved soil and ground water investigation and remediation plans. The OCD requests that WFS work in conjunction with Amoco in implementing investigation and remediation activities at the site.

If you have any questions or comments, please call me at (505) 827-7154.

Sincerely,

William C. Olson
Hydrologist
Environmental Bureau

xc: **OCD Aztec District Office**
Bill Liess, BLM Farmington District Office
B.D. Shaw, Amoco Production Company

RECEIVED
MAY 10 1999
OIL CON. DIV.
DIST. 3