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

P.O. Drawer DD, Artesia, NM 88221

1000 Rio Brazos Rd, Aztec, NM 87410

District II

(groundwat.

State of New Mexico Energy, Minerals and Natural Resources Department Approved Bill Olson
6/30/2000
SUBMITICOPY TO
APPROPRIATE
DISTRICT OFFICE
AND I COPY TO
SANTA FE OFFICE

OIL CONSERVATION DIVISION

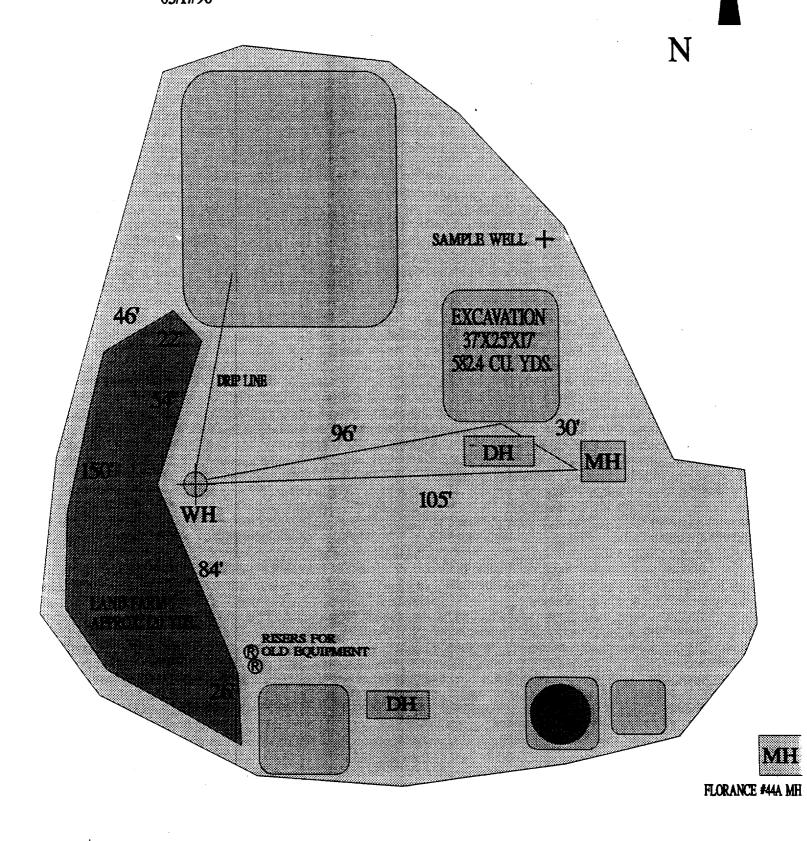
2040 South Pacheco Street Santa Fe, New Mexico 87505

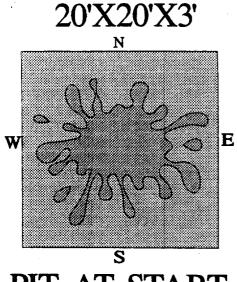
PIT REMEDIATION AND CLOSURE REPORT

Operator: WFS PNM Gas Services (Amoco) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Florance #44	
Location: Unit H Sec 31 T 30N R 8W County	San Juan
Pit Type: Separator Dehydrator Other	·
Land Type: BLM State Fee Other	
Pit Location: Pit dimensions: length 20 width 20 depth	3'
(Attach diagram) Reference: wellhead 🗹 other	•
Footage from reference: 96'	
Direction from reference: 65 Degrees East North	✓
of West South	
Depth to Ground Water: Less than 50 feet 50 feet to 99 feet	(20 points) (10 points)
(Vertical distance from contaminants to seasonal high water elevation of ground water	(0 points) 20
Wellhead Protection Area: JAN 3 1 2000 15	(20 points)
(Less than 200 feet from a private' domestic water source, or, less than 1,000 feet from all other water sources) No DISTS No	(0 points) 0
Energy Q	
Distance to Surface Water: Less than 200 feet 200 feet to 1,000 feet (Horizontal distance to perennial lakes, Greater than 1,000 feet	(20 points) (10 points)
ponds, rivers, streams, creeks, irrigation canals and ditches	(0 points) 0
RANKING SCORE (TOTAL POINTS)	: 20

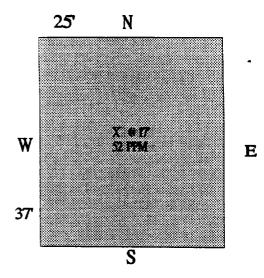
Florance #44						
Date Remediation Started:	05/13	/1996	<u></u>	Date Comp	oleted:	05/17/1996
Remediation Method:	Excavation	X		Approx. Cu	ibic Yard	582
(Check all appropriate sections)	Landfarmed	X		Amount La	ndfarmed (cubic	c yds)
acciona)	Other	-				
Remediation Location: (i.e., landfarmed onsite, name and	Onsite	X - 120 cu yds		Offsite	Florance 44E	- 462 cu yds.
location of offsite facility)						
Backfill Material Location:						
Excavated contaminated soil bermed areas at a depth of 6	to a pit size of 2	25' X 37' X 17' and is aerated by diski	l landfarm ng/plowin	ed soil on loc g until soil me	ation and on Flo	orance 44E within els.
						
Ground Water Encountered	d: No		Yes	V	Depth	14'
Final Pit Closure Sampling:	Sample Locati	on Composit	te - four s	de walls and	center of pit bot	tom.
(if multiple samples, attach sample result and diagram of	Sample depth	17'				
sample locations and depths.)	Sample date	05/14/1996		Sample	time	3:15:00 PM
	Sample Result			•		
	Benze	ne (ppm)	0.0259)		
	•	BTEX (ppm)	1.	4807		
		eadspace (ppm)		36.4	•	
Vertical Extent (ft)	TPH (ppm)	< 5.00		Method alysis form at	8015/ tached Yes	No
Ground Water Sample:	Yes	− No			see attached Gro	oundwater Site
I HEREBY CERTIFY THA KNOWLEDGE AND MY E		MATION ABOVE	IS TRUI	E AND COM	PLETE TO THI	E BEST OF MY
DATE January 24, 20 SIGNATURE Mau	00 week Han	in		PRINTED N AND TITLE	AME Mauree Project	n Gannon Manager

FLORANCE #44 EXCAVATION 05/17/96



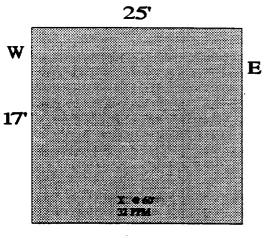


PIT AT START

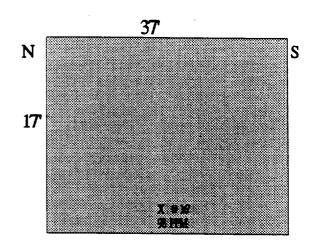


COMPOSITE SAMPLE TAKEN OF NORTH, SOUTH, EAST, & WEST WALLS OF EXCAVATION.

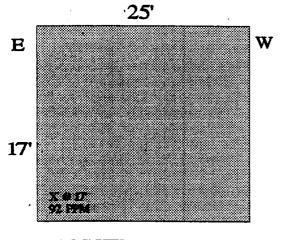
SAMPLE # 9605011515



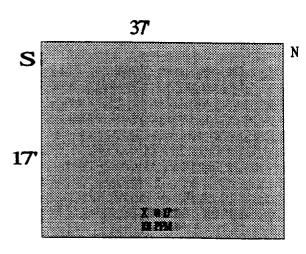
NORTH WALL



EAST WALL

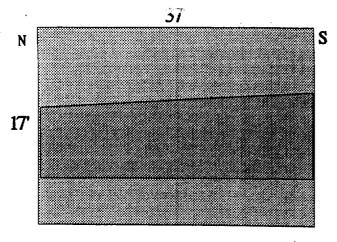


SOUTH WALL



WEST WALL

FLORANCE #44 EXCAVATION — 05/14/96



S EXCAVATION AT END PIT WATER SAMPLE 9605151010 WELL H2O SAMPLE 9605151005 WEST WALL SAMPLE 9605151630

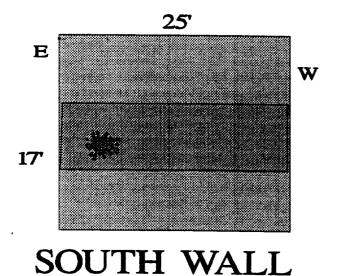
EAST WALL

37 S 17

= WATER SEEPS

= CONTAMINATION

WEST WALL



25'
W
E
17

NORTH WALL

FLORANCE #44 EXCAVATION — 05/14/96



LAB: (505) 325-5667

Diesel Range Organics

Attn:

Denver Bearden

Company: PNM Gas Services

Address:

603 W. Elm

City, State: Farmington, NM 87401

Date:

16-May-96

COC No.:

4624

Sample No.

10886

Job No.

2-1000

Project Name:

PNM Gas Services - Florance 44

Project Location:

9605141515; Pit Excavation Composite Sample

Date:

14-May-96 Time:

Sampled by: Analyzed by: RH HR

Date:

15-May-96

15:15

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	<5.0	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
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,816	9.2	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	88	96	(70-130)	6	20%

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

P. O. BOX 2606 • FARMINGTON, NM 87499



LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn:

Denver Bearden

Date:

16-May-96

Company: PNM Gas Services

COC No.:

4624

Address:

603 W. Elm

Sample No.:

10886

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Florance 44

Project Location:

9605141515; Pit Excavation Composite Sample

Date:

14-May-96 Time:

Sampled by: Analyzed by:

RH

Date:

15-May-96

15:15

Sample Matrix:

HR Soil

Laboratory Analysis

Component		Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene		25.9	ug/kg	0.2	ug/kg
Toluene		167.0	ug/kg	0.2	ug/kg
Ethylbenzene		243.9	ug/kg	0.2	ug/kg
m,p-Xylene		777.4	ug/kg	0.2	ug/kg
o-Xylene		266.4	ug/kg	0.2	ug/kg
	TOTAL	1480.7	ug/kg		

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

P. O. BOX 2606 • FARMINGTON, NM 87499

Amoco

Sec. 31-30N-09W

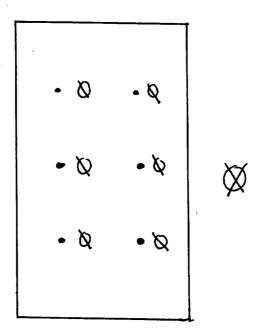
Land Farm: On Location

120 Yards

Composite Sample #: 96 0 7 2 3 / **5** 0 0

Soil Vapor Head-Space Reading = 3.8 ppm (PID)

Sample depths between 2" and 12"





LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Company: PNM Gas Services

Address:

603 W. Elm

City, State: Farmington, NM 87401

Date:

25-Jul-96

COC No.:

4916

Sample No.

11580

Job No.

2-1000

Project Name:

PNM Gas Services - Florance #44 Landfarm

Project Location:

9607231500; 6pt. Composite, 2" - 12" depth

Date:

23-Jul-96 Time:

15:00

Sampled by: Analyzed by: GC HR

Date:

25-Jul-96

Sample Matrix:

Soil

Laboratory Analysis

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

Quality Assurance Report

DRO QC No.:

0479-QC

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,931	3.4	15%

Matrix Spike

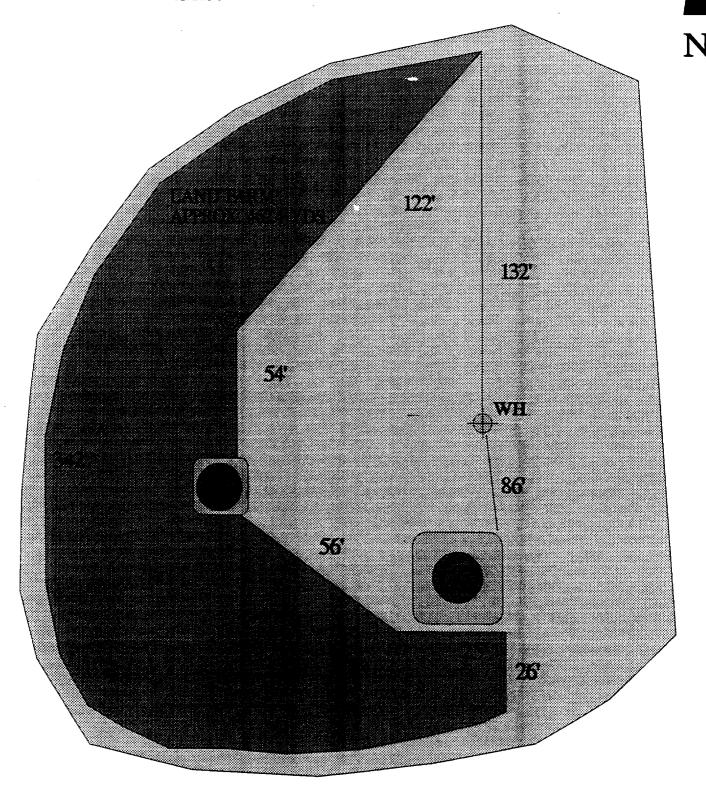
Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	111	121	(70-130)	6	20%

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

Approved by:

P.O. BOX 2606 • FARMINGTON, NM 87499

FLORANCE #44 LANDFARM ON FLORANCE #44E 05/17/96



PNMGS Well Site: Florance 44

Copies: WFS (1)

Operator (1)

NMOCD District Office (1) NMOCD Santa Fe (1)

Reporting Period Quarter/Year: 1st/99, 2nd/99, 3rd/99 and 4th/99

Groundwater Site Summary Report

Operator: Amoco

Vulnerable Class: Extended

Sec: 31 Twn: 30 Rng: 8 Unit: H

OCD Ranking: 20

Canyon: Salvador, San Juan

Lead Agency: OCD

Topo Map: Figure 1

Well Completion Diagram: previously submitted Site Map with Groundwater Analysis: Figure 2

Groundwater Contour Maps: Figure 3 (January 1999), Figure 4 (May 1999), Figure 5 (July 1999) and

Figure 6 (October 1999). **Hydrograph:** Figure 7

Full Suite- Groundwater Sampling: previously submitted

Analytical Results: attached

Site Hydrology:

The Florance 44 site lies in a small side canyon immediately west of Salvador Canyon, which empties into the San Juan River near the town of Archuleta, New Mexico. The side canyon drops in elevation towards the east, and is hemmed in by steep cliffs to the north and south of the site (see Figure 1). The wellhead elevation is 5836 ft. amsl. A small spring formerly flowed across the well pad, entering the site from the south. However, after the secondary source removal activities in November 1997 the springflow was diverted to the east, and was prevented from entering the area of the well pad by berms on the south side of the pad (Figure 2).

Alluvial materials encountered beneath the site are composed primarily of sand, with varying amounts of clay. Bedrock in the area is hard sandstone, and was frequently encountered at shallow depths beneath the site. At the extreme southern end of the site (in the area of Amoco's separator pit), hard bedrock was found at depths of 18 to 20 feet. Towards the west (upstream), bedrock was found at 14 feet deep in the area of MW-1. In the center of the site (near MW-2), bedrock was found at 20 feet. In general, the top of the bedrock surface parallels surface topography, and slopes towards the center of the drainage and thence towards the east.

Groundwater beneath the site is as shallow as 7 feet (in upgradient well MW-1) to as deep as 43 feet (in downgradient well MW-4). Groundwater flows east-northeast beneath the site (Figures: 3-6), parallel with surface topography and in the same direction as the assumed bedrock-alluvium contact. The water levels are found within alluvium, which is saturated in the area of study.

The hydrograph of the site (Figure 7) shows fairly steady to slightly falling water levels over time. Owing to the removal and reinstallation of wells, it is not possible to construct a comprehensive hydrograph in the central part of the well pad. However, bore holes SB-1 through SB-3 (see Figure 2) showed dry conditions to the bedrock surface, and wells MW-5 and MW-6 contain only a few feet or less of saturated alluvium. It is believed that the diversion of the spring on the south side of the study area has caused the gradual dewatering of the local alluvium. The site was recently resurveyed using a slightly different datum, thus the inconsistency of past hydrographs to current. However, the groundwater elevations recorded at each of the monitoring wells track nicely with the greatest changes occurring in wells MW-1 and MW-6, closest to the wash on the northern edge of the site.

Florance 44 (continued)

Activities for Previous Year:

Because of contamination discovered during PNM's additional source removal activities at the Florance 44 in November 1997, which included recontamination of the clean fill in our previous excavation, PNM prepared and submitted to OCD a summary report detailing the activities, results and recommendations at the Florance 44 in April 1998. In July 1998, the OCD directed PNM to remediate the site jointly with the operator, Amoco. After discussion and analysis, PNM proposed a well installation and sampling plan in December 1998. Amoco accepted, and the field program commenced in January 1999.

Soil borings SB-1, -2 and -3 encountered dry conditions and did not produce groundwater. Soil boring SB-3 was left open for 24-hours, with no indications of the presence of water. All efforts to reestablish a "source" well were unsuccessful. Little to no contamination was observed in these borings (Figure 2). Soil borings SB-4 and SB-5 encountered saturated alluvium and were completed as monitor wells MW-5 and MW-6.

PNM conducted quarterly groundwater sampling at the Florance 14 on January 12, May 26, July 28, and again on October 28, 1999. Water level data were collected from all wells during each sampling event. All sampling was performed in strict compliance with EPA protocol. PNM delivered the samples to OnSite Technologies, Farmington, New Mexico for chemical analyses of BTEX using EPA method 8021B.

Results:

Figure 2 is a site map of the Florance 44 and includes groundwater analytical results. Upgradient well MW-1 and downgradient well MW-4 have been below standards during every sampling event. Wells MW-5 and MW-6 also showed BTEX concentrations below standards. It is believed that the additional excavation, in addition to other actions taken by the operator, were successful in controlling the source of hydrocarbon contamination at the Florance 44 site.

BTEX concentrations in all wells have been below standards for four consecutive quarters. Apparently the additional source removal performed in November, 1997 appears to have accelerated the reduction of benzene in this area.

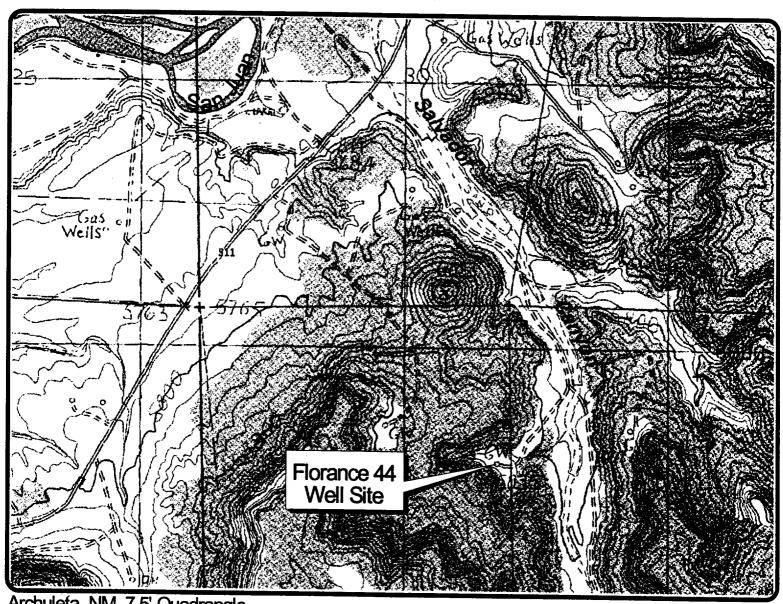
Future Actions:

Consistent with PNM's San Juan Basin Groundwater Management Plan, PNM requests closure of the Florance 44. This request is based upon the analytical data collected over the last three years at the site. The secondary excavation of additional source materials appears to have been successful in achieving clean-up at the Florance 44; the BTEX concentrations in all of the wells have been below standards for four consecutive quarters.

Upon approval of the groundwater closure report, PNM will plug and abandon the four groundwater monitoring wells at the site. The concrete pad and metal vault surrounding each well will be removed. The well casing will removed or cut below ground surface and each well will be plugged to the surface with cement containing 5% bentonite.



Figure 1. Florance 44 Sec. 31 Twn. 30N Rng. 8W Unit H



Archuleta, NM 7.5' Quadrangle





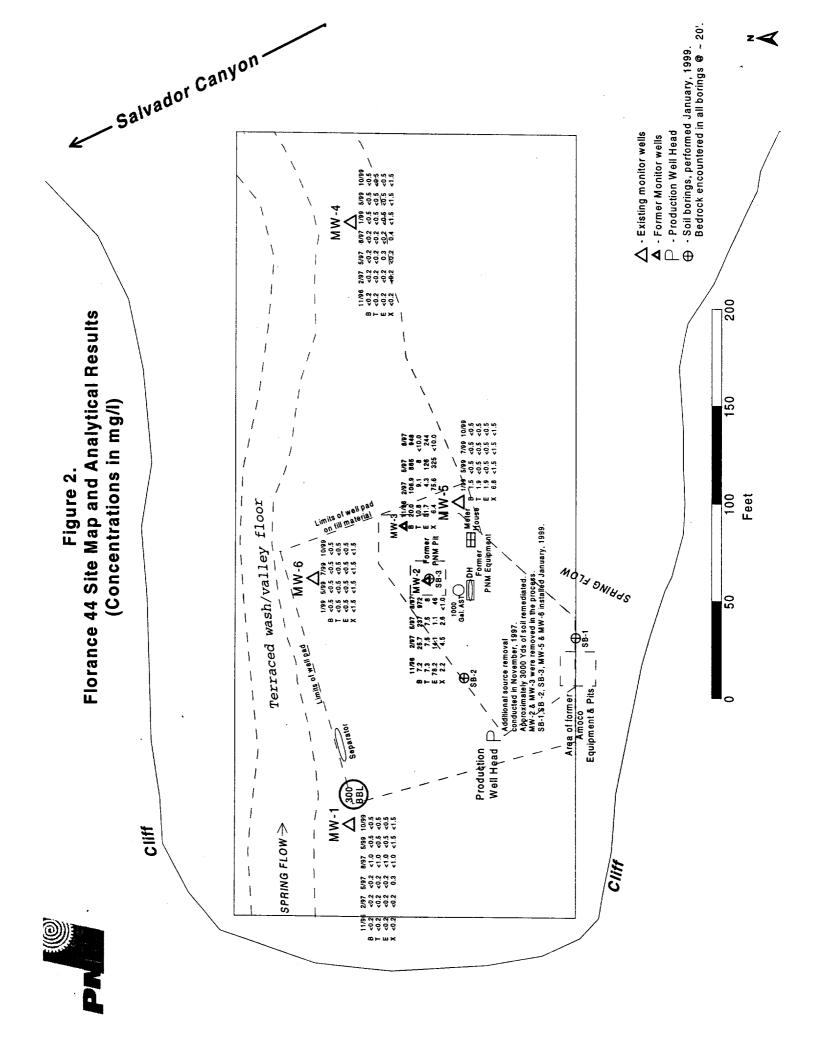


Figure 3. Florance 44 Groundwater Contour Map (January 12, 1999)

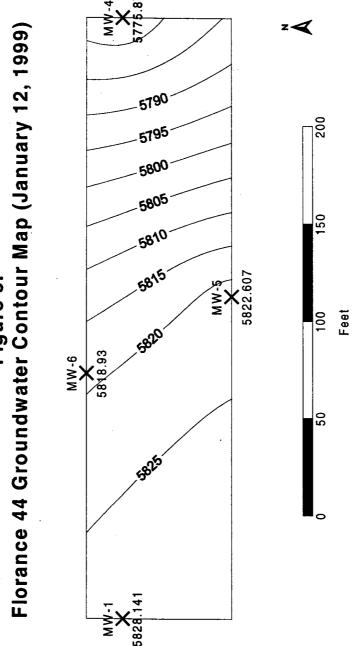


Figure 4. Florance 44 Groundwater Contour Map (May 26, 1999)

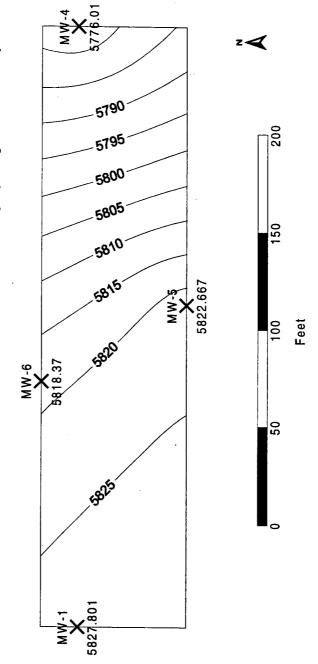


Figure 5. Florance 44 Groundwater Contour Map (July 28, 1999)

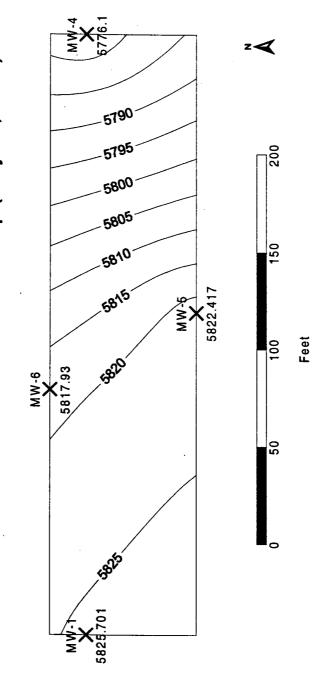
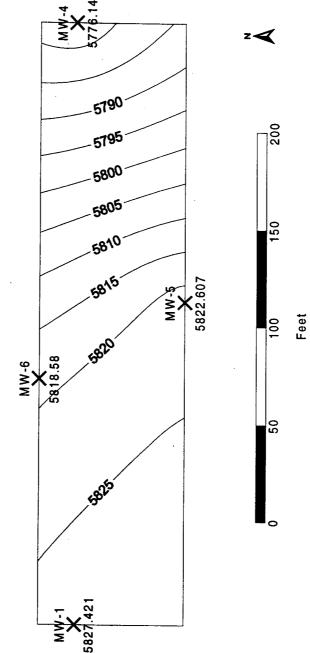


Figure 6. Florance 44 Groundwater Contour Map (October 20, 1999)



3-WW-₩ *-MW-5 **→**-MW-1 Florance 44 Hydrograph 5830 5800 5820 5810 5840 5790 5780 5770 **JSMA** Groundwater Elevation Ft.

Month/Year

Figure 7.



(mehidid hi 1999 Annual Parnt) (JHGS 1/27/5

January 21, 1999

Maureen Gannon
PNM - Public Service Company of NM
Alvarado Square Mail Stop 0408
Albuquerque, NM 87158

TEL: (505) 241-2974

FAX (505) 241-2340

RE: Florance 44

Dear Maureen Gannon,

1st Quarter 1999

Order No.: 9901005

On Site Technologies, LTD. received 4 samples on 1/12/99 for the analyses presented in the following report.

The Samples were analyzed for the following tests: BTEX (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

David Cox

LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project:

Florance 44

Lab Order:

9901005

CASE NARRATIVE

Date: 21-Jan-99

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Jan-99

Client:

Project:

PNM - Public Service Company of NM

Work Order:

9901005

Lab ID:

9901005-01A Florance 44 Matrix: AQUEOUS

Client Sample Info: Florance 44

Client Sample ID: 9901121030; MW-4

Collection Date: 1/12/99 10:30:00 AM

COC Record: 7462

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
BTEX	SV	V8021B			Analyst: HR
Benzene	ND	0.5	μg/L	1	1/13/99
Toluene	ND	0.5	µg/L	1	1/13/99
Ethylbenzene	ND	0.5	µg/L	1	1/13/99
m,p-Xylene	ND	1	µg/L	1	1/13/99
o-Xylene	ND	0.5	µg/L	1	1/13/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Jan-99

Client:

PNM - Public Service Company of NM

Work Order:

9901005

Lab ID:

Project:

9901005-02A Florance 44

A 18./

Matrix: AQUEOUS

Client Sample Info: Florance 44

Client Sample ID: 9901121050; MW-5

Collection Date: 1/12/99 10:50:00 AM

COC Record: 7462

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
втех	SW8021B				Analyst: HR
Benzene	1.5	0.5	μg/L	1	1/13/99
Toluene	1.9	0.5	μg/L	1	1/13/99
Ethylbenzene	1.9	0.5	μg/L	1	1/13/99
m,p-Xylene	6.8	1	μg/L	1	1/13/99
o-Xylene	ND	0.5	μg/L	1	1/13/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Jan-99

Client:

PNM - Public Service Company of NM

Work Order:

9901005

Lab ID:

Project:

9901005-03A Florance 44

Matrix: AQUEOUS

Client Sample Info: Florance 44

Client Sample ID: 9901121110; MW-6

Collection Date: 1/12/99 11:10:00 AM

COC Record: 7462

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
BTEX	SW8021B				Analyst: HR
Benzene	ND .	0.5	μg/L	1	1/13/99
Toluene	ND	0.5	μg/L	1	1/13/99
Ethylbenzene	ND	0.5	μg/L	1	1/13/99
m,p-Xylene	ND	1	μg/L	1	1/13/99
o-Xylene	ND	0.5	μg/L	1	1/13/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

. S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate



LAB: (505) 325-1556

Dobliceto MM-10

ANALYTICAL REPORT

Date: 21-Jan-99

Client:

PNM - Public Service Company of NM

Work Order:

9901005

Lab ID: Project: 9901005-04A Florance 44

4 A

Matrix: AQUEOUS

Client Sample Info: Florance 44

Client Sample Hill. Propage 44

Client Sample ID: 9901121130; MW-7

Collection Date: 1/12/99 11:30:00 AM

COC Record: 7462

MW-6

Parameter	Result	PQL	Qual Unit	ts .	DF	Date Analyzed
BTEX	SV	V8021B	<u> </u>			Analyst: HR
Benzene	ND	0.5	μg/l	_	1	1/13/99
Toluene	ND	0.5	μ g /l		1	1/13/99
Ethylbenzene	ND	0.5	μ g /l		1	1/13/99
m,p-Xylene	ND	1	μg/i		1	1/13/99
o-Xylene	ND	0.5	μg/l	•	1	1/13/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

, S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

I of I

P.O. BOX 2606 • FARMINGTON, NM 87499

S
V
零

CHAIN OF CUSTODY RECORD

ON SITE TECHNOLOGIES, LTD.

TECHNOLOGIES, LTD.		Murphy Dr. • I LAB: (505) 3	P.O. Box 25-5667	612 E. Murphy Dr. • P.O. Box 2606 • Farmington, NM 87499 LAB: (505) 325-5667 • FAX: (505) 325-6258	gton, NM 8 25-6258	7499						
Purchase Order No.:		Job No.				OJ	Name	Mau	Maureen Gannon	Title		1
Name	Denver Bearden					TA r s	Company	PNM	PNM Gas Services			1
Company	PNM Gas Services		Dept.	324-3763		ורד	Mailing Address	Aive	Alverado Square, Mail Stop 0408	ail Stop 0408		1
SEI Address	603 W. Elm Street					าระ	City, State, Zip	Albu	Albuquerque, NM 87158	158		
City, State, Zip	Farmington, NM 87401	101				<u> </u>	Telephone No.	505-	505-848-2974	Telefax No.		Г
Sampling Location:	י חמ					ĵ s			ANALYSIS REQUESTED	UESTED		
					经验	o 19 ner					//	T
Sampler: Mark S	S: Kelianos					dmuN Sontai	16° ×3					
SAMPLE	SAMPLE IDENTIFICATION		SAMF DATE	YLE :	MATRIX PRES.		18 80 V		<u> </u>	<u> </u>	LAB ID	
Mw-4	9901121030			#	HO IKI	~	×			-	, i-t-	
MW.S	990112 1050				13/18/	٦	×					
MW-6	990112 1110					C	×				-	
TI MIN	1 1	DUD MW	, c) S	त	×					-
						4.					-	
		2										
-												_
												_
							•					
	h - 1					V X						
Relinquished by: The)?	N.V		Date/Tir	1me 1/2/19 1400	1400	Received by:	l by: //	Ü		Date/	Date/Time //// ///	
Relinquished by:			Date/Time	Time		Received by:	by:	-		Date/Time	Ime	_
Relinquished by:			Date/Time	Ime		Received by:	by:			Date/Time	ime	_
Method of Shipment:						Rush	24-48 Hours	lours	10 Working Days Special Instructions:	ys Special Ins	ructions:	
Authorized by: (Client Signa	(Client Signature Must Accompany Request)	Date_	142	154						Rest	Results to be sent to both parties.	



LAB: (505) 325-1556

RECEIVED
JUN 0 9 1999

June 08, 1999

Maureen Gannon
PNM - Public Service Company of NM
Alvarado Square Mail Stop 0408
Albuquerque, NM 87158
TEL: (505) 241-2974
FAX (505) 241-2340

RE: Florance 44

Dear Maureen Gannon,

Order No.: 9905091

On Site Technologies, LTD. received 5 samples on 5/26/99 for the analyses presented in the following report.

The Samples were analyzed for the following tests: Aromatic Volatiles by GC/PID (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

David Cox



LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project:

Florance 44

Lab Order:

9905091

CASE NARRATIVE

Date: 08-Jun-99

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 08-Jun-99

Client:

PNM - Public Service Company of NM

Work Order:

9905091

Florance 44

Lab ID: Project:

9905091-01A

Matrix: AQUEOUS

Client Sample Info: Florance 44

Client Sample ID: 9905260740; MW-1

Collection Date: 5/26/99 7:40:00 AM

COC Record: 7044

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID	SV	V8021B			Analyst: DC
Benzene	ND	0.5	μg/L	1	6/3/99
Toluene	ND	0.5	μg/L	1	6/3/99
Ethylbenzene	ND	0.5	μg/L	1	6/3/99
m,p-Xylene	ND	1	μg/L	1	6/3/99
o-Xylene	ND	0.5	µg/L	1	6/3/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 08-Jun-99

Client:

PNM - Public Service Company of NM

Work Order:

9905091

Lab ID: **Project:** 9905091-02A

Florance 44

Matrix: AQUEOUS

Client Sample Info: Florance 44

Client Sample ID: 9905260810; MW-4

Collection Date: 5/26/99 8:10:00 AM

COC Record: 7044

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID	SV	V8021B			Analyst: DC
Benzene	ND	0.5	μg/L	1	6/3/99
Toluene	ND	0.5	μg/L	1	6/3/99
Ethylbenzene	ND	0.5	μ g/L	1	6/3/99
m,p-Xylene	ND	1	μg/L	.1	6/3/99
o-Xylene	ND	0.5	μg/L	1	6/3/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 08-Jun-99

Client:

Project:

PNM - Public Service Company of NM

Work Order:

9905091

Lab ID:

9905091-03A

Florance 44

Matrix: AQUEOUS

Client Sample Info: Florance 44

Client Sample ID: 9905260850; MW-5

Collection Date: 5/26/99 8:50:00 AM

COC Record: 7044

Parameter	Result	PQL	Oual Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID	SI	W8021B	•		
Benzene	ND .	0.5	μg/L	1	Analyst: DC 6/3/99
Toluene	ND	0.5	μg/L	1	6/3/99
Ethylbenzene	ND	0.5	μg/L	1	6/3/99
m,p-Xylene	ND	1	μg/L	1	6/3/99
o-Xylene	ND	0.5	μ g /L	1	6/3/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

, 'S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 08-Jun-99

Client:

Project:

PNM - Public Service Company of NM

Work Order:

9905091

Lab ID:

9905091-04A Florance 44 Matrix: AQUEOUS

Client Sample Info: Florance 44

Client Sample ID: 9905260923; MW-6

Collection Date: 5/26/99 9:23:00 AM

COC Record: 7044

Parameter	Result	PQL	Qual Uni	ts	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID	sv	W8021B		·	-	Analyst: DC
Benzene	ND	0.5	μg/	L	1	6/3/99
Toluene	ND	0.5	μg/		1	6/3/99
Ethylbenzene	ND	0.5	μg/		1	6/3/99
m,p-Xylene	ND	1	μg/		1	6/3/99
o-Xylene	ND	0.5	μg/	;	1	6/3/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

, S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of I



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 08-Jun-99

Client:

Project:

PNM - Public Service Company of NM

Work Order:

9905091

Lab ID:

9905091-05A Florance 44

Matrix: AQUEOUS

Client Sample Info: Florance 44

Client Sample ID: 9905260953; MW-7

Collection Date: 5/26/99 9:53:00 AM

COC Record: 7044

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID	SV	V8021B				Analyst: DC
Benzene	· ND	0.5		μg/L	1	6/3/99
Toluene	ND	0.5		μg/L	1	6/3/99
Ethylbenzene	ND	0.5		μg/L	1	6/3/99
m,p-Xylene	ND	1		μg/L	1	6/3/99
o-Xylene	ND	0.5		µg/L	1	6/3/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

, S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

CHAIN OF CUSTODY RECORD

ON SITE TECHNOLOGIES, LTD.

718 411 M LAB ID Results to be sent to both parties. 10 Working Days Special Instructions: Date/Time. Date/Time Date/Time Alverado Square, Mail Stop 0408 Telefax No. ANALYSIS REQUESTED E E Albuquerque, NM 87158 PNM Gas Services Maureen Gannon 505-848-2974 24-48 Hours Date/Time 3/2 6/9 9 /450 Received by: ~ 1 10 10 10 Mailing Address City, State, Zip Telephone No. Distribution: White - On Site Yellow - LAB Pink - Sampler Goldenrod - Client Company Name Received by: Received by: X RESULTS TO Rush U A Ų TRO93R 612 E. Murphy Dr. • P.O. Box 2606 • Farmington, NM 87499 LAB: (505) 325-5667 • FAX: (505) 325-6256 Number of MATRIX PRES 13.0 130 4,0 5 Dept. 324-3763 724/4 0741 130 Which 25 40 54/10 TIME Date/Time Date/Time DATE Date Job No. CHO HO 2000 H-MW (Client Signature Must Accompany Request) Farmington, NM 87401 mm-MES PNM Gas Services 603 W. Elm Street **Denver Bearden** SAMPLE IDENTIFICATION Florance 44 Authorized by: +50--ファッナ R Dalrick 905260850 9705260923 9905260710 905260810 City, State, Zip Purchase Order No.: Method of Shipment: Company Relinquished by: Address Sampling Location: Name Relinquished by: Relinquished by: TO TO **SEND**



LAB: (505) 325-1556

August 27, 1999

RECEIVED
SEP 0 1 1999

Maureen Gannon PNM - Public Service Company of NM Alvarado Square Mail Stop 0408 Albuquerque, NM 87158 TEL: (505) 241-2974

RE: Florance 44

FAX (505) 241-2340

Order No.: 9907068

Dear Maureen Gannon,

On Site Technologies, LTD. received 2 samples on 07/28/1999 for the analyses presented in the following report.

The Samples were analyzed for the following tests:

Aromatic Volatiles by GC/PID (SW8021B)

Mercury, Dissolved (SW7470)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

David Cox



LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project:

Florance 44

Lab Order:

9907068

CASE NARRATIVE

Date: 27-Aug-99

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, March 1983.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 27-Aug-99

Client:

Project:

PNM - Public Service Company of NM

Work Order:

9907068

Lab ID:

9907068-01A Florance 44 Matrix: AQUEOUS

Client Sample Info: Florance 44

Client Sample ID: 9907281111; MW-5

Collection Date: 07/28/1999 11:11:00 AM

COC Record: 7052

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID	SV	V8021B			Analyst: DC
Benzene	ND	0.5	μg/L	1	08/04/1999
Toluene	ND	0.5	μg/L	1	08/04/1999
Ethylbenzene	ND	0.5	μg/L	•	08/04/1999
m,p-Xylene	ND	1	μg/L	1	08/04/1999
o-Xylene	ND	0.5	μg/L	1	08/04/1999

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 27-Aug-99

Client:

PNM - Public Service Company of NM

Work Order:

9907068

Lab ID:

Project:

9907068-02A Florance 44 Matrix: AQUEOUS

Client Sample Info: Florance 44

Client Sample ID: 9907281133; MW-6

Collection Date: 07/28/1999 11:33:00 AM

COC Record: 7052

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID	sv	V8021B		-		Analyst: DC
Benzene	ND	0.5		µg/L	1	08/04/1999
Toluene	ND	0.5		μg/L	1	08/04/1999
Ethylbenzene	ND	0.5		μg/L	1	08/04/1999
m,p-Xylene	ND	1		μg/L	1	08/04/1999
o-Xylene	ND	0.5		μg/L	1	08/04/1999

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

I of I

AECELYEN AUG 20 1950

Analytical Results

ACZ Laboratories, Inc.

2773 Downhill Drive

(a) Lab Sample ID: *L24154-01*

Steamboat Springs, CO 80487 Florance 44 9907281111; MW-5 Client Project ID:

Client Sample ID: 9907068-01B

(800) 334-5493

ACZ Report ID: RG99025

On Site Technologies, LTD.

612 E Murray Dr

Farmington, NM 87499

David Cox

Date Sampled: 7/28/99 11:11:00 AM

Date Received: 7/30/99

Date Reported: 8/16/99

Sample Matrix: Ground Water

Metals Analysis

Parameter	EPA Method	Result	Qual	Units	VIDL	PQL	Date	Analyst
Mercury, dissolved	M245.1 CVAA	0.0003	В	mg/L	0.0002	0.001	8/14/99	ms

Inorganic Qualifiers (based on EPA CLP 3/90)

U = Analyte was analyzed for but not detected at the indicated MDL

B = Analyte concentration detected at a value between MDL and PQL

PQL = Practical Quantitation Limit

Vice President of Operations: Ralph Poulsen



ACZ Laboratories, Inc.

2773 Downhill Drive

Client Sample ID: 9907068-02B

Steamboat Springs, CO 80487 Florance 44 9907281133; MW-6 Client Project ID: (800) 334-5493

ACZ Report ID: RG99026

On Site Technologies, LTD.

612 E Murray Dr

Farmington, NM 87499

David Cox

Date Sampled: 7/28/99 11:33:00 AM

Date Received: 7/30/99

Date Reported: 8/16/99

Sample Matrix: Ground Water

Metals Analysis

Mercury, dissolved	M245.1 CVAA		U	mg/L	0.0002	0.001	8/14/99	ms
Parameter	EPA Method	Result ()	ual	Units	MDL	POL	Date	Analyst

Inorganic Qualifiers (based on EPA CLP 3/90)

U = Analyte was analyzed for but not detected at the indicated MDL

B = Analyte concentration detected at a value between MDL and PQL

PQL = Practical Quantitation Limit

Vice President of Operations: Ralph Poulsen

CHAIN-OF-CUSTODY RECORD

On Site Technologies, LTD. 612 E. Murray Drive Farmington, NM 87401 (505) 325-2432

Subcontractor:

Z Laboratories, Inc.

ACZ Laboratories, Inc. 2773 Downhill Drive

Steamboat Springs, Colorado 80487

TEL: (800) 334-5493 FAX: (970) 879-2216

17/0776

Acct #:

29-Jul-99

					a	Requested Tests		
Sample ID	Matrix	Collection Date	Bottle Type	SW7470				
					i			
9907068-01B		Aqueous 7/28/99 11:11:00 AM	500HDPE	1				
9907068-02B		Aqueous 7/28/99 11:33:00 AM	500HDPE	1				

Please analyze two (2) water samples for Mercury. Dissolved. Samples have not been filtered. Comments:

Relinquished by: Heigh Rees

Relinquished by:

7 (29/99 15:30 Received by:

Date/Time

Received by:

Date/Time

			SA	MPLE REC	CEIPT F	ORM			P	age 2 of 2
CLIENT: PROJECT #:		527E					DATE ANALYST:	<u> 7/:</u>	30/ag	,
		TEMPI	ERATUR	E VERIFICA	TION SAI	MPLE C	HECK (°C	C)	· · · · · · · · · · · · · · · · · · ·	
			· •	CONTAINER	TEMP (°C) 2° to 6°	RAD µR/hr				
	·	•		ON 5276	3.0°			r radioactiv		
							must be so	reened.	sambie	
,	P	· PRESERV	VATION	CHECK (pH)	& RADIO	DACTIV	ፓፒ ሪ ሪርይ፤	FENI	•	
SAMPLE	R <2	G <2	Y <2	YG <2	B <2	BG < 2	0	T	P	RAD
							< 2	> 12	> 12	μR/br T
							 			
								DUT		
				-						
								 		
										+
· · · · · · · · · · · · · · · · · · ·										
· · · · · · · · · · · · · · · · · · ·			 							
	1		 		(<u> </u>		
	. <u>l</u>	<u> </u>	<u> </u>					<u> </u>	<u> </u>	
INTERNAL CO	OMMENTS:	··								
•		* · · · · · · · · · · · · · · · · · · ·		" 		·			···	
									· · · · · · · · · · · · · · · · · · ·	······································
REPORT COM	IMENTS:						· - · · · · · · · · · · ·			
		· 	-		1.					

SAMPLE RECEIPT FORM			Page 1 of 2
CLIENT: JN S = TE PROJECT #: L 24157 4	DATE	7/	30/97
1) Does this project require special handling procedures such as CLP protocol?	NA.	YES	NO
2) Are the custody seals on the cooler intact?	(BA)	YES	NO
3) Are the custody seals on the sample containers intact?	(NA)	YES	NO
4) Is there a Chain of Custody (COC), or other directive shipping papers present?		PES	NO
5) Is the COC complete?		(YES	NO
Relinquished? Yes No Requested Analysis? Yes	No		
6) Is the COC in agreement with the samples received?	<u> </u>	MESD	NO
# of Samples: Yes No Sample ID: Yes	No		,
Matrix: Yes No # of Containers: Yes			
7) Is there enough sample for all requested analysis?		(YES)	NO
8) Are all samples within holding times for requested analysis?		(YES	NO
9) Were all sample containers received intact?		(PES)	NO
10) Are samples requiring no headspace, headspace free?	CNA	YES	NO
11) Do the samples require a Foriegn Soils Permit Label or quarantine?		YES	40
12) Do samples require special disposal/hold considerations?		'	L
Non-Hazardous: Yes No Hazardous: Yes No	Hold:	mo	nths
Describe "NO" items (except #1, 11, & 12):			
Was the client contacted? Yes No If yes: Date: Name of person contacted	l:		
Actions taken or client instructions: Signature:			•

CHAIN OF CUSTODY RECORD

ON SITE

TECHNOLOGIES, LTD.

Page:

612 E. Murphy Dr. • P.O. Box 2606 • Farmington, NM 87499 LAB: (505) 325-5667 • FAX: (505) 325-6256

LAB ID Results to be sent to both parties. 10 Working Days Special Instructions; Date/Time_ Date/Time Date/Time Alverado Square, Mail Stop 0408 Telefax No. **ANALYSIS REQUESTED** Title Albuquerque, NM 87158 PNM Gas Services Maureen Gannon 505-848-2974 24-48 Hours Mailing Address City, State, Zip Telephone No. Company Received by: ~ Name Received by: Received by: Sistribution, White - On Site Yellow - LAB Pink - Sampler TRO93R Rush Number of MATRIX PRES. 150 P 0 Date/Time 7/25/27 324-3763 TIME Date/Time Date/Time Dept. DATE M Date Job No. No ores Noth (Client Signature Must Accompany Request) Farmington, NM 87401 PNM Gas Services 603 W. Elm Street Denver Bearden かい-5 たらって SAMPLE IDENTIFICATION Authorized by: ること 1110-6 Florance 44 City, State, Zip Purchase Order No.: Company 750728113 Method of Shipment: Address Sampling Location: 790 7718132 Name 990738111 Relinquished by: Relinquished by: Relinquished by: 79077R INVOICE TO SEND



LAB: (505) 325-1556

November 01, 1999

Maureen Gannon
PNM - Public Service Company of NM
Alvarado Square Mail Stop 0408
Albuquerque, NM 87158
TEL: (505) 241-2974

MON D 2 1888 KECEINED

Order No.: 9910033

RE: Florance #44

FAX (505) 241-2340

Dear Maureen Gannon,

On Site Technologies, LTD. received 5 samples on 10/20/99 for the analyses presented in the following report.

The Samples were analyzed for the following tests: Aromatic Volatiles by GC/PID (SW8021B)

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

David Cox



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 01-Nov-99

CLIENT:

PNM - Public Service Company of NM

Project:

Florance #44

Lab Order:

9910033

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Cnemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 01-Nov-99

Client:

PNM - Public Service Company of NM

Work Order:

9910033

Lab ID: Project: 9910033-01A Florance #44 Matrix: AQUEOUS

Client Sample Info: Florance #44

Client Sample ID: 9910201410; MW-1

Collection Date: 10/20/99 2:10:00 PM

COC Record: 7741

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID	SV	V8021B			-	Analyst: DC
Benzene	ND	0.5		μg/L	1	10/25/99
Toluene	ND	0.5		µg/L	1	10/25/99
Ethylbenzene	ND	0.5		µg/L	1	10/25/99
m,p-Xylene	ND	1		µg/L :	1	10/25/99
o-Xylene	ND	0.5		µg/L	1	10/25/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 01-Nov-99

Client:

Project:

PNM - Public Service Company of NM

Work Order:

9910033

Lab ID:

9910033-02A Florance #44 Matrix: AQUEOUS

Client Sample Info: Florance #44

Client Sample ID: 9910201435; MW-6

Collection Date: 10/20/99 2:35:00 PM

COC Record: 7741

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID	SV	V8021B				Analyst: DC
Benzene	ND	0.5		μg/L	1	10/25/99
Toluene	ND	0.5		µg/L	1	10/25/99
Ethylbenzene	ND	0.5		µg/L	1	10/25/99
m,p-Xylene	ND	1		μg/L	1	10/25/99
o-Xylene	ND	0.5		ha\r ha\r	1	10/25/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 01-Nov-99

Client:

Project:

PNM - Public Service Company of NM

Work Order:

9910033

Lab ID:

9910033-03A Florance #44 Matrix: AQUEOUS

Client Sample Info: Florance #44

Client Sample ID: 9910201450; MW-5

Collection Date: 10/20/99 2:50:00 PM

COC Record: 7741

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID	SV	V8021B				Analyst: DC
Benzene	ND	0.5		μg/L	1	10/25/99
Toluene	ND	0.5		μg/L	1	10/25/99
Ethylbenzene	ND	0.5		µg/L	1	10/25/99
m,p-Xylene	ND	1		μg/L	1	10/25/99
o-Xylene	ND	0.5		μg/L	1	10/25/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 01-Nov-99

Client:

PNM - Public Service Company of NM

Work Order:

9910033

Lab ID: Project: 9910033-04A Florance #44

Matrix: AQUEOUS

Client Sample Info: Florance #44

Client Sample ID: 9910201515; MW-4

Collection Date: 10/20/99 3:15:00 PM

COC Record: 7741

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID	SI	V8021B				Analyst: DC
Benzene	ND	0.5		μg/L	1	10/25/99
Toluene	ND	0.5		µg/L	1	10/25/99
Ethylbenzene	ND	0.5		μg/L	1	10/25/99
m,p-Xylene	ND	1		μg/L	1	10/25/99
o-Xylene	ND	0.5		μg/L	1	10/25/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 01-Nov-99

Client:

PNM - Public Service Company of NM

Work Order:

9910033

Lab ID:

Project:

9910033-05A Florance #44 Matrix: AQUEOUS

Client Sample Info: Florance #44

Client Sample ID: 9910201530; MW-7 Collection Date: 10/20/99 3:30:00 PM

COC Record: 7741

Parameter	Result	PQL	Quai	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		<u> </u>		Analyst: DC
Benzene	ND	0.5		μg/L	1	10/25/99
Toluene	ND	0.5		μg/L	1	10/25/99
Ethylbenzene	ND	0.5		μg/L	1	10/25/99
m,p-Xylene	ND	1		μg/L	1	10/25/99
o-Xylene	ND	0.5		μg/L	1	10/25/99

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

, S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

CHAIN OF CUSTODY RECORD

612 E. Murphy Dr. • P.O. Box 2606 • Farmington, NM 87499 LAB: (505) 325-5667 • FAX: (505) 325-6256

ON SITE

FOUESTED FOUESTED Date/Time						Nicas	House Course	Signal Control	
Deriver Beardon Phil das Services Dept. 284-5765	Purchase Order No.:	JOD NO.	4		OT	Name	Mauleell Gallion	11110	
Substitute Philit Gas Sarvices Dopt. 324-9763 QC Mailing Address Albuquarque, NM 87198 Albuquarque, NM 87198 Albuquarque, NM 87198 Albuquarque, NM 87198 Albuquarque, NM 87401 A	Name	Denver Bearden			TA . S.	Company	PNM Gas Services		
State, Zip Farmington, NM 87401 Farming	CICI	PNM Gas Services	32	-3763	09 111	Mailing Address	Alverado Square, N	lail Stop 0408	
Color Signature Maig Parator Color Signature Maig Parator Color Signature Maig Parator Color Signature Color Signature Color Signature Color Signature Color Signature Color	OVI DT	603 W. Elm Street			ISE BE	City, State, Zip	Albuquerque, NM 8	7158	
Control Signature Mast Accompany Request) Control Mast Accompany Request Control Mast Accompany Representation Control Mast Accomp	NI -				H	Telephone No.	505-848-2974	Telefax No.	
SAMPLE Description SAMPLE SAMPL	ľ						ANALYSIS REC	QUESTED	
SAMPLE DENTIFICATION SAMPLE SAMPLE SAMPLE DENTIFICATION DATE MATRIX PRES SAMPLE DENTIFICATION DATE MATRIX PRES SAMPLE DENTIFICATION DATE MATRIX PRES SAMPLE DENTIFICATION SAMPLE DENTIFICATION SAMPLE DENTIFICATION SAMPLE DENTIFICATION SAMPLE DENTIFICATION SAMPLE DATE SAMPLE SAM	·		**************************************			<i>₨ /</i>		///	
SAMPLE IDENTIFICATION		341.,14				2007			
1-11-10	SAMP	LE IDENTIFICATION	 ₹ -	MATRIX				<u> </u>	LAB ID
150		1	~	07/		×			W. M. S. Cally
55	29.1030 1435		31 Sy 10	327		×			1122
S		P		Q m		X			
	991020191		4	1087	_	, , , , , , , , , , , , , , , , , , ,			11.00
Colent Signature Mass Accompany Request) Date	1910201530	L # 1911	1	14.8	\vdash	×			May 22
Colort Signature Must Accompany Request) Colort Signature Must Accompany Request Colort Signature Must Accompany Regular Colort Signature Must Accompany Regular Colort Signature Must Accompany Regular Colort Signature Must Accompany Regul	-								
Collent Signature Must Accompany Request) Collent Signature Must Accompany Request Collent Signature Must Accompany Reg			#1 1	A CAMPAGE OF STREET			·		
Collent Signature Must Accompany Request) Dester Time Collent Signature Must Accompany Request) Dester Time Dester Tim								·	
Client Signature Must Accompany Request Colont Signature Must A									
Collent Signature Must Accompany Request Collent Signature Mu									
Collect Signature Must Accompany Request) Date/Time Collect Signature Must Accompany Request) Date/Time Collect Signature Must Accompany Request) Date/Time Date									
Date/Time Received by: Beceived by: Date/Time Date/Time Beceived by: Date Dat	Relinquished by:	13/2/01 Table 1	Date/Time	l	Receiv	-440x	\simeq	Date/Tir	nelcledfi 16
lent: Date / Time Rush 24-48 Hours 10 Working Days Specia	Relinquished by:		Date/Time		Receive	ed by:		Date/Tin	ne
Plush 24-48 Hours 10 Working Days Specia 10 Morking Days Specia	Relinquished by:		Date/Time		Receive	ed by:		Date/Tin	Э
List Accompany Request) Date / 20-711/F/ Ist Accompany Request) Distribution: While On Sie Yellow LAB Prix; Sampler Goldervod - Client	Method of Shipment:				Rush	24-48 H		iys Special Instru	ictions:
Distribution: While Cor Site Velove LAB or Pink / Sumper	Authorized by: Collent S	st Accompany Request)	1					Result to bo	s to be sent th parties.
			Distribution: White		Pink , Sampl				