

HIP - 30

GENERAL CORRESPONDENCE

YEAR(S):

1995-1991

EL PASO NATURAL GAS COMPANY

P. O. Box 1492
El Paso, TX 79978

Fax Cover Sheet**DATE:** July 28, 1998**TIME:** 3:33 PM

TO: Mr. Roger Anderson
Environmental Bureau
New Mexico Oil Conservation Division

FAX: (505)827-8177
Phone: (505)827-7152

FROM: Richard Favila

PHONE: (915)759-2271
FAX: (915)759-2206

RE: Hydrostatic Test Water Discharge
Sec 31&36, T6S, R 22&23W, Chaves County, New Mexico

CC:

Number of pages including cover sheet: 24

Roger, I would appreciate anything you can do to expedite final approval to discharge the test water on our right-of-way or into the pipeline trench. If possible, maybe you can give me a verbal okay once you've had a chance to review the lab analysis.

Thanks,

Richard



July 28, 1998

Mr. Roger Anderson
New Mexico Oil Conservation Division
Environmental Bureau
2040 S. Pacheco Street
Santa Fe, NM 87501

Re: Hydrostatic Test Water Discharge
Sections 31 & 36, Township 6 South, Range 22 & 23 West, NMPM
Chaves County, New Mexico

Dear Mr. Anderson:

As requested in the attached letter from Ms. Martyne Keiling, dated May 1, 1998, enclosed are the analytical results of the referenced hydrostatic test water discharge. I realize that your department is shorted handed, but El Paso Natural Gas Company (EPNG) would appreciate any help you can provide to expedite final approval to discharge the test water on our right-of-way or into the pipeline trench for pipe settling purposes.

Thank you in advance for your prompt attention to this matter, and please feel free to call me at 915/759-2271 if you have any questions concerning this matter.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Richard Favila', written over a horizontal line.

Richard Favila, P.E.,
Principal Engineer
Compliance Services
Operation Services Division

Attachments

**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT****OIL CONSERVATION DIVISION**
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7181

May 1, 1998

CERTIFIED MAIL**RETURN RECEIPT NO. P-326-936-434****Operations Services**

Mr. Richard Favila
El Paso Natural Gas Company
P.O. Box 1492
El Paso, Texas 79978-1492

MAY 05 1998

Received

Re: **Hydrostatic Test Water Discharge**
Sections 31 & 36, Township 6 South, Range 22 & 23 West, NMPM,
Chaves County, New Mexico

Dear Mr. Favila:

The New Mexico Oil Conservation Division (OCD) has received El Paso Natural Gas (EPNG) request, dated April 23, 1998 for authorization to discharge approximately 280,000 gallons of waste water from the hydrostatic testing of a 30 inch, 7,929 foot section of used pipeline (Line 1300). The discharge location proposed is in Sections 31 & 36, Township 6 South, Range 22 & 23 West, NMPM, Chaves County, New Mexico.

Please note that used pipelines contain numerous contaminants that can pose potential environmental problems. Containment of the fluids in lined pits or tanks and analysis of waters will be required prior to discharge approval. Based on the information provided in the EPNG request, the hydrostatic test water discharge is subject to approval by the OCD upon completion and receipt of the following:

1. The test water and solids will be discharged and stored in tanks or lined pits pending full characterization of the test water;
2. The test water will be analyzed for major anions and cations (Ca, Mg, Na, K, HCO₃, CO₃, Cl, SO₄), heavy metals (As, Ba, Cd, Pb, Hg, Se, Fe, Zn), aromatic and halogenated hydrocarbons, polynuclear aromatic hydrocarbons (PAH), TDS, Fe, Mn, pH and conductivity;
3. **Prior to discharge approval** the analytical results will be made available to the OCD Santa Fe office;

Mr. Richard Favila
May 1, 1998
Page 2

4. The exact test water discharge method and location, written permission from the landowner, depth to ground water, disposal method of the solids, and closure of any pits will be provided along with the discharge request and analytical results;
5. Any solids that accumulate in the tanks or lined pit as a result of the discharge will be subject to full hazardous waste characterization testing to determine the proper means of disposal.
6. Upon review of the analytical results and additional information the OCD will make a determination as to whether the test water can be discharged to the ground surface and whether a permit will be issued.

Please be advised that this does not relieve EPNG of liability should your operation result in actual pollution of surface water, ground water or the environment actionable under other laws and/or regulations.

If there are any questions, please call me at (505) 827-7153.

Sincerely,



Martyne Kieling
Environmental Geologist

xc: Artesia District Office

SAMPLE KEY

SAMPLE NUMBER: S98-0283 LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
SAMPLE DESCRIPTION: HYDROSTATIC TEST DEWATER COMPOSITE
S D CONTINUED: 1300 LINE M.P. 122+3711 - 124+1080
S D CONTINUED:
SAMPLE TIME: 09:00 SAMPLE DATE: 07/18/98

SAMPLE KEY

SAMPLE NUMBER: S98-0284 LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
SAMPLE DESCRIPTION: HYDROSTATIC TEST SOURCE WATER
S D CONTINUED: 1300 LINE M.P. 122+3711 - 124+1080
S D CONTINUED: TAFT WATER STATION WELL
SAMPLE TIME: 11:00 SAMPLE DATE: 07/18/98

NEL LABORATORIES

Reno • Las Vegas
Phoenix • Burbank

Reno Division
1030 Mailey Lane • Reno, Nevada 89502
(702) 348-2522 • Fax: (702) 348-2546
1-800-368-5221

CLIENT: El Paso Natural Gas Co.
8645 Railroad Dr.
El Paso, TX 79904
ATTN: Darrell Campbell

NEL ORDER ID: P9807067

PROJECT NAME:
PROJECT #:

Attached are the analytical results for samples in support of the above referenced project.

Samples submitted for this project were not sampled by NEL Laboratories. Samples were received by NEL in good condition, under chain of custody on 7/21/98.

Samples were analyzed as received.

Where applicable we have included the following quality control data:

- Method blank - used to demonstrate absence of contamination or interferences in the analytical process.
- Laboratory Control Spike (LCS) - used to demonstrate laboratory ability to perform the method within specifications by spiking representative analytes into a clean matrix.
- Surrogates - compounds added to each sample to ensure that the method requirements are met for each individual sample.

Should you have any questions or comments, please feel free to contact our Client Services department at (602) 437-0099.

Some results have been flagged as follows:

- I - Estimated concentration due to surrogate failure or laboratory control sample failure.

Some QA results have been flagged as follows:

- C - Sample concentration is at least 5 times greater than spike contribution. Spike recovery criteria do not apply
- I - Estimated concentration due to surrogate failure or laboratory control sample failure.

Eileen M. Ferguson
Eileen M. Ferguson
Laboratory Manager

7/28/98
Date

CERTIFICATIONS:

	Reno	Las Vegas	S. California
Arizona	AZ0520	AZ0518	AZ0583
California	1707	2002	2264
US Army Corps of Engineers	Certified	Certified	Certified

	Reno	Las Vegas	S. California
Idaho	Certified	Certified	
Montana	Certified	Certified	
Nevada	NV033	NV052	CA084
Washington			Certified

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID:
PROJECT #:

CLIENT ID: S98-0283
DATE SAMPLED: 7/18/98
NEL SAMPLE ID: P9807067-01

TEST: Purgeable Organic Compounds by EPA 524.2, September 1995
METHOD: EPA 524.2
MATRIX: Aqueous
DILUTION: 1

EXTRACTED: 7/25/98
ANALYZED: 7/25/98
ANALYST: DJH

PARAMETER	Result µg/L	Reporting Limit	PARAMETER	Result µg/L	Reporting Limit
Benzene	1.7	0.5 µg/L	Ethylbenzene	1.4	0.5 µg/L
Bromobenzene	ND	0.5 µg/L	Hexachlorobutadiene	ND	0.5 µg/L
Bromochloromethane	ND	0.5 µg/L	Isopropylbenzene	ND	0.5 µg/L
Bromodichloromethane	ND	0.5 µg/L	p-Isopropyltoluene	ND	0.5 µg/L
Bromofarm	ND	0.5 µg/L	Methylene chloride (Dichloromethane)	ND	0.5 µg/L
Bromomethane	ND	0.5 µg/L	Naphthalene	ND	0.5 µg/L
n-Butylbenzene	ND	0.5 µg/L	n-Propylbenzene	ND	0.5 µg/L
sec-Butylbenzene	ND	0.5 µg/L	Styrene	ND	0.5 µg/L
tert-Butylbenzene	ND	0.5 µg/L	1,1,1,2-Tetrachloroethane	ND	0.5 µg/L
Carbon tetrachloride	ND	0.5 µg/L	1,1,2,2-Tetrachloroethane	ND	0.5 µg/L
Chlorobenzene	ND	0.5 µg/L	Tetrachloroethene (PCE)	ND	0.5 µg/L
Chloroethane	ND	0.5 µg/L	Toluene	5.2	0.5 µg/L
Chloroform	ND	0.5 µg/L	1,2,3-Trichlorobenzene	ND	0.5 µg/L
Chloromethane	ND	0.5 µg/L	1,2,4-Trichlorobenzene	ND	0.5 µg/L
2-Chlorotoluene	ND	0.5 µg/L	1,1,1-Trichloroethane (1,1,1-TCA)	ND	0.5 µg/L
4-Chlorotoluene	ND	0.5 µg/L	1,1,2-Trichloroethane (1,1,2-TCA)	ND	0.5 µg/L
Dibromochloromethane	ND	0.5 µg/L	Trichloroethene (TCE)	ND	0.5 µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.5 µg/L	Trichlorofluoromethane (Freon 11)	ND	0.5 µg/L
1,2-Dibromochloroethane (EDB)	ND	0.5 µg/L	1,2,3-Trichloropropane	ND	0.5 µg/L
Dibromomethane	ND	0.5 µg/L	1,2,4-Trimethylbenzene	ND	0.5 µg/L
1,2-Dichlorobenzene (o-DCB)	ND	0.5 µg/L	1,3,5-Trimethylbenzene	1.7	0.5 µg/L
1,3-Dichlorobenzene (m-DCB)	ND	0.5 µg/L	Vinyl chloride	ND	0.5 µg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.5 µg/L	o-Xylene	1.3	0.5 µg/L
Dichlorodifluoromethane (Freon 12)	ND	0.5 µg/L	m,p-Xylene	3.1	0.5 µg/L
1,1-Dichloroethane (1,1-DCA)	ND	0.5 µg/L	MTBE	ND	0.5 µg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.5 µg/L			
1,1-Dichloroethene (1,1-DCHE)	ND	0.5 µg/L			
cis-1,2-Dichloroethene	ND	0.5 µg/L			
trans-1,2-Dichloroethene	ND	0.5 µg/L			
1,2-Dichloropropane	ND	0.5 µg/L			
1,3-Dichloropropane	ND	0.5 µg/L			
2,2-Dichloropropane	ND	0.5 µg/L			
1,1-Dichloropropene	ND	0.5 µg/L			
cis-1,3-Dichloropropene	ND	0.5 µg/L			
trans-1,3-Dichloropropene	ND	0.5 µg/L			

QUALITY CONTROL DATA

Surrogate	% Recovery	Acceptable Range
1,2-Dichlorobenzene-d4	83	80 - 120
4-Bromofluorobenzene	93	80 - 120

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID:
PROJECT #:

CLIENT ID: S98-0283
DATE SAMPLED: 7/18/98
NEL SAMPLE ID: P9807067-01

TEST: Semi-Volatile Organic Compounds by EPA 625, July 1997

METHOD: EPA 625

MATRIX: Aqueous

DILUTION: 1

EXTRACTED: 7/22/98

ANALYZED: 7/23/98

ANALYST: CCJ

PARAMETER	Result µg/L	Reporting Limit	PARAMETER	Result µg/L	Reporting Limit
Acenaphthene	ND	10. µg/L	Hexachlorobutadiene	ND	10. µg/L
Acenaphthylene	ND	10. µg/L	Hexachlorocyclopentadiene	ND	10. µg/L
Anthracene	ND	10. µg/L	Hexachlorocyclopentadiene	ND	10. µg/L
Benzo (a) anthracene	ND	10. µg/L	Indeno (1,2,3-c,d) pyrene	ND	10. µg/L
Benzo (b&k) fluoranthene	ND	10. µg/L	Isophorone	ND	10. µg/L
Benzo (a) pyrene	ND	10. µg/L	4,6-Dinitro-2-methyl phenol	ND	10. µg/L
Benzo (g,h,i) perylene	ND	10. µg/L	Naphthalene	ND	10. µg/L
Butylbenzylphthalate	ND	10. µg/L	Nitrobenzene	ND	10. µg/L
bis (2-Chloroethyl) ether	ND	10. µg/L	2-Nitrophenol	ND	10. µg/L
bis (2-Chloroethoxy) methane	ND	10. µg/L	4-Nitrophenol	ND	10. µg/L
bis (2-chloroisopropyl) ether	ND	10. µg/L	N-Nitrosodi-n-propylamine	ND	10. µg/L
bis (2-Ethylhexyl)phthalate	ND	10. µg/L	N-Nitroso-Dimethylamine	ND	10. µg/L
4-Bromophenyl phenyl ether	ND	50. µg/L	N-Nitrosodiphenylamine	ND	10. µg/L
4-Chloro-3-methyl phenol	ND	10. µg/L	Pentachlorophenol	ND	10. µg/L
2-Chloronaphthalene	ND	10. µg/L	Phenol	ND	10. µg/L
2-Chlorophenol	ND	10. µg/L	Phenanthrene	ND	50. µg/L
4-Chlorophenyl phenyl ether	ND	20. µg/L	Pyrene	ND	10. µg/L
Chrysene	ND	10. µg/L	1,2,4-Trichlorobenzene	ND	10. µg/L
Dibenzo (a,h) anthracene	ND	10. µg/L	2,4,6-Trichlorophenol	ND	10. µg/L
Di-n-butyl phthalate	ND	10. µg/L			
1,2-Dichlorobenzene (o-DCB)	ND	10. µg/L			
1,3-Dichlorobenzene (m-DCB)	ND	10. µg/L			
1,4-Dichlorobenzene (p-DCB)	ND	10. µg/L			
2,4-Dichlorophenol	ND	10. µg/L			
3,3'-Dichlorobenzidine	ND	10. µg/L			
Diethylphthalate	ND	10. µg/L			
2,4-Dimethylphenol	ND	10. µg/L			
Dimethylphthalate	ND	10. µg/L			
2,4-Dinitrotoluene (DNT)	ND	50. µg/L			
2,6-Dinitrotoluene (DNT)	ND	10. µg/L			
2,4-Dinitrophenol	ND	10. µg/L			
Di-n-octyl phthalate	ND	10. µg/L			
Fluoranthene	ND	10. µg/L			
Fluorene	ND	10. µg/L			
Hexachlorobenzene	ND	10. µg/L			

QUALITY CONTROL DATA

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	88	33- 141
2-Fluorobiphenyl	74	43- 116
2-Fluorophenol	32	21- 100
Nitrobenzene-d5	66	35- 114
p-Terphenyl-d14	72	33- 141
Phenol-d5	20	10- 94

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID:
PROJECT #:

CLIENT ID: S98-0284
DATE SAMPLED: 7/18/98
NEL SAMPLE ID: P9807067-02

TEST: Purgeable Organic Compounds by EPA 524.2, September 1995
METHOD: EPA 524.2
MATRIX: Aqueous
DILUTION: 1

EXTRACTED: 7/25/98
ANALYZED: 7/25/98
ANALYST: DJH

PARAMETER	Result µg/L	Reporting Limit	PARAMETER	Result µg/L	Reporting Limit
Benzene	ND	0.5 µg/L	Ethylbenzene	ND	0.5 µg/L
Bromobenzene	ND	0.5 µg/L	Hexachlorobutadiene	ND	0.5 µg/L
Bromochloromethane	ND	0.5 µg/L	Isopropylbenzene	ND	0.5 µg/L
Bromodichloromethane	ND	0.5 µg/L	p-Isopropyltoluene	ND	0.5 µg/L
Bromoform	ND	0.5 µg/L	Methylene chloride (Dichloromethane)	ND	0.5 µg/L
Bromomethane	ND	0.5 µg/L	Naphthalene	ND	0.5 µg/L
n-Butylbenzene	ND	0.5 µg/L	n-Propylbenzene	ND	0.5 µg/L
sec-Butylbenzene	ND	0.5 µg/L	Styrene	ND	0.5 µg/L
tert-Butylbenzene	ND	0.5 µg/L	1,1,1,2-Tetrachloroethane	ND	0.5 µg/L
Carbon tetrachloride	ND	0.5 µg/L	1,1,2,2-Tetrachloroethane	ND	0.5 µg/L
Chlorobenzene	ND	0.5 µg/L	Tetrachloroethene (PCE)	ND	0.5 µg/L
Chloroethane	ND	0.5 µg/L	Toluene	ND	0.5 µg/L
Chloroform	ND	0.5 µg/L	1,2,3-Trichlorobenzene	ND	0.5 µg/L
Chloromethane	ND	0.5 µg/L	1,2,4-Trichlorobenzene	ND	0.5 µg/L
2-Chlorotoluene	ND	0.5 µg/L	1,1,1-Trichloroethane (1,1,1-TCA)	ND	0.5 µg/L
4-Chlorotoluene	ND	0.5 µg/L	1,1,2-Trichloroethane (1,1,2-TCA)	ND	0.5 µg/L
Dibromochloromethane	ND	0.5 µg/L	Trichloroethene (TCE)	ND	0.5 µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.5 µg/L	Trichlorofluoromethane (Freon 11)	ND	0.5 µg/L
1,2-Dibromomethane (EDB)	ND	0.5 µg/L	1,2,3-Trichloropropane	ND	0.5 µg/L
Dibromomethane	ND	0.5 µg/L	1,2,4-Trimethylbenzene	ND	0.5 µg/L
1,2-Dichlorobenzene (o-DCB)	ND	0.5 µg/L	1,3,5-Trimethylbenzene	ND	0.5 µg/L
1,3-Dichlorobenzene (m-DCB)	ND	0.5 µg/L	Vinyl chloride	ND	0.5 µg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.5 µg/L	o-Xylene	ND	0.5 µg/L
Dichlorodifluoromethane (Freon 12)	ND	0.5 µg/L	m,p-Xylene	ND	0.5 µg/L
1,1-Dichloroethane (1,1-DCA)	ND	0.5 µg/L	MTBE	ND	0.5 µg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.5 µg/L			
1,1-Dichloroethene (1,1-DCE)	ND	0.5 µg/L			
cis-1,2-Dichloroethene	ND	0.5 µg/L			
trans-1,2-Dichloroethene	ND	0.5 µg/L			
1,2-Dichloropropane	ND	0.5 µg/L			
1,3-Dichloropropane	ND	0.5 µg/L			
2,2-Dichloropropane	ND	0.5 µg/L			
1,1-Dichloropropene	ND	0.5 µg/L			
cis-1,3-Dichloropropene	ND	0.5 µg/L			
trans-1,3-Dichloropropene	ND	0.5 µg/L			

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
1,2-Dichlorobenzene-d4	97	80 - 120
4-Bromofluorobenzene	101	80 - 120

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.

PROJECT ID:

PROJECT #:

CLIENT ID: S98-0284

DATE SAMPLED: 7/18/98

NEL SAMPLE ID: P9807067-02

TEST: Semi-Volatile Organic Compounds by EPA 625, July 1997

METHOD: EPA 625

MATRIX: Aqueous

DILUTION: 1

EXTRACTED: 7/22/98

ANALYZED: 7/23/98

ANALYST: CCI

PARAMETER	Result µg/L	Reporting Limit	PARAMETER	Result µg/L	Reporting Limit
Acenaphthene	ND	10. µg/L	Hexachlorobutadiene	ND	10. µg/L
Acenaphthylene	ND	10. µg/L	Hexachloroethane	ND	10. µg/L
Anthracene	ND	10. µg/L	Hexachlorocyclopentadiene	ND	10. µg/L
Benzo (a) anthracene	ND	10. µg/L	Indeno (1,2,3-c,d) pyrene	ND	10. µg/L
Benzo (b&k) fluoranthene	ND	10. µg/L	Isophorone	ND	10. µg/L
Benzo (a) pyrene	ND	10. µg/L	4,6-Dinitro-2-methyl phenol	ND	10. µg/L
Benzo (g,h,i) perylene	ND	10. µg/L	Naphthalene	ND	10. µg/L
Bis(2-chlorophenyl) ether	ND	10. µg/L	Nitrobenzene	ND	10. µg/L
bis (2-Chloroethoxy) methane	ND	10. µg/L	2-Nitrophenol	ND	10. µg/L
bis (2-chloroisopropyl) ether	ND	10. µg/L	4-Nitrophenol	ND	10. µg/L
bis (2-Ethylhexyl) phthalate	ND	10. µg/L	N-Nitrosodi-n-propylamine	ND	10. µg/L
4-Bromophenyl phenyl ether	ND	50. µg/L	N-Nitroso-Dimethylamine	ND	10. µg/L
4-Chloro-3-methyl phenol	ND	10. µg/L	N-Nitrosodiphenylamine	ND	10. µg/L
2-Chloronaphthalene	ND	10. µg/L	Pentachlorophenol	ND	10. µg/L
2-Chlorophenol	ND	10. µg/L	Phenol	ND	10. µg/L
4-Chlorophenyl phenyl ether	ND	20. µg/L	Phenanthrene	ND	50. µg/L
Chrysene	ND	10. µg/L	Pyrene	ND	10. µg/L
Dibenz (a,h) anthracene	ND	10. µg/L	1,2,4-Trichlorobenzene	ND	10. µg/L
Di-n-butyl phthalate	ND	10. µg/L	2,4,6-Trichlorophenol	ND	10. µg/L
1,2-Dichlorobenzene (o-DCB)	ND	10. µg/L			
1,3-Dichlorobenzene (m-DCB)	ND	10. µg/L			
1,4-Dichlorobenzene (p-DCB)	ND	10. µg/L			
2,4-Dichlorophenol	ND	10. µg/L			
3,3'-Dichlorobenzidine	ND	10. µg/L			
Diethylphthalate	ND	10. µg/L			
2,4-Dimethylphenol	ND	10. µg/L			
Dimethylphthalate	ND	10. µg/L			
2,4-Dinitrotoluene (DNT)	ND	50. µg/L			
2,6-Dinitrotoluene (DNT)	ND	10. µg/L			
2,4-Dinitrophenol	ND	10. µg/L			
Di-n-octyl phthalate	ND	10. µg/L			
Fluoranthene	ND	10. µg/L			
Fluorene	ND	10. µg/L			
Hexachlorobenzene	ND	10. µg/L			

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	69	33 - 141
2-Fluorobiphenyl	86	43 - 116
2-Fluorophenol	46	21 - 100
Nitrobenzene-d5	79	35 - 114
p-Terphenyl-d14	73	33 - 141
Phenol-d5	32	10 - 94

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID:
PROJECT #:

CLIENT ID: Trip Blank
DATE SAMPLED: 7/18/98
NEL SAMPLE ID: P9807067-03

TEST: Purgable Organic Compounds by EPA 524.2, September 1995

METHOD: EPA 524.2

EXTRACTED: 7/25/98

MATRIX: Aqueous

ANALYZED: 7/25/98

DILUTION: 1

ANALYST: DJH

PARAMETER	Result µg/L	Reporting Limit	PARAMETER	Result µg/L	Reporting Limit
Benzene	ND	0.5 µg/L	Ethylbenzene	ND	0.5 µg/L
Bromobenzene	ND	0.5 µg/L	Hexachlorobutadiene	ND	0.5 µg/L
Bromochloromethane	ND	0.5 µg/L	Isopropylbenzene	ND	0.5 µg/L
Bromodichloromethane	ND	0.5 µg/L	p-Isopropyltoluene	ND	0.5 µg/L
Bromoform	ND	0.5 µg/L	Methylene chloride (Dichloromethane)	ND	0.5 µg/L
Bromomethane	ND	0.5 µg/L	Naphthalene	ND	0.5 µg/L
n-Butylbenzene	ND	0.5 µg/L	n-Propylbenzene	ND	0.5 µg/L
sec-Butylbenzene	ND	0.5 µg/L	Styrene	ND	0.5 µg/L
tert-Butylbenzene	ND	0.5 µg/L	1,1,1,2-Tetrachloroethane	ND	0.5 µg/L
Carbon tetrachloride	ND	0.5 µg/L	1,1,2,2-Tetrachloroethane	ND	0.5 µg/L
Chlorobenzene	ND	0.5 µg/L	Tetrachloroethene (PCE)	ND	0.5 µg/L
Chloroethane	ND	0.5 µg/L	Toluene	ND	0.5 µg/L
Chloroform	ND	0.5 µg/L	1,2,3-Trichlorobenzene	ND	0.5 µg/L
Chloromethane	ND	0.5 µg/L	1,2,4-Trichlorobenzene	ND	0.5 µg/L
2-Chlorotoluene	ND	0.5 µg/L	1,1,1-Trichloroethane (1,1,1-TCA)	ND	0.5 µg/L
4-Chlorotoluene	ND	0.5 µg/L	1,1,2-Trichloroethane (1,1,2-TCA)	ND	0.5 µg/L
Dibromochloromethane	ND	0.5 µg/L	Trichloroethene (TCE)	ND	0.5 µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.5 µg/L	Trichlorofluoromethane (Freon 11)	ND	0.5 µg/L
1,2-Dibromoethane (EDB)	ND	0.5 µg/L	1,2,3-Trichloropropane	ND	0.5 µg/L
Dibromomethane	ND	0.5 µg/L	1,2,4-Trimethylbenzene	ND	0.5 µg/L
1,2-Dichlorobenzene (o-DCB)	ND	0.5 µg/L	1,3,5-Trimethylbenzene	ND	0.5 µg/L
1,3-Dichlorobenzene (m-DCB)	ND	0.5 µg/L	Vinyl chloride	1.0	0.5 µg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.5 µg/L	o-Xylene	ND	0.5 µg/L
Dichlorodifluoromethane (Freon 12)	ND	0.5 µg/L	m,p-Xylene	ND	0.5 µg/L
1,1-Dichloroethane (1,1-DCA)	ND	0.5 µg/L	MTBE	ND	0.5 µg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.5 µg/L			
1,1-Dichloroethene (1,1-DCE)	ND	0.5 µg/L			
cis-1,2-Dichloroethene	ND	0.5 µg/L			
trans-1,2-Dichloroethene	ND	0.5 µg/L			
1,2-Dichloropropane	ND	0.5 µg/L			
1,3-Dichloropropane	ND	0.5 µg/L			
2,2-Dichloropropane	ND	0.5 µg/L			
1,1-Dichloropropene	ND	0.5 µg/L			
cis-1,3-Dichloropropene	ND	0.5 µg/L			
trans-1,3-Dichloropropene	ND	0.5 µg/L			

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
1,2-Dichlorobenzene-d4	91	80 - 120
4-Bromofluorobenzene	97	80 - 120

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID:
PROJECT #:

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 072298-E1-625-BLK

TEST: Semi-Volatile Organic Compounds by EPA 625, July 1997
METHOD: EPA 625
MATRIX: Aqueous

ANALYST: CCJ
EXTRACTED: 7/22/98
ANALYZED: 7/22/98

PARAMETER	Result µg/L	Reporting Limit	PARAMETER	Result µg/L	Reporting Limit
Acenaphthene	ND	10 µg/L	Hexachlorobenzene	ND	10 µg/L
Acenaphthylene	ND	10 µg/L	Hexachlorobutadiene	ND	10 µg/L
Anthracene	ND	10 µg/L	Hexachloroethane	ND	10 µg/L
Benzo (a) anthracene	ND	10 µg/L	Hexachlorocyclopentadiene	ND	10 µg/L
Benzo (b&k) fluoranthene	ND	10 µg/L	Indeno (1,2,3-c,d) pyrene	ND	10 µg/L
Benzo (a) pyrene	ND	10 µg/L	Isophorone	ND	10 µg/L
Benzo (g,h,i) perylene	ND	10 µg/L	4,6-Dinitro-2-methyl phenol	ND	10 µg/L
Butylbenzylphthalate	ND	10 µg/L	Naphthalene	ND	10 µg/L
bis (2-Chloroethyl) ether	ND	10 µg/L	Nitrobenzene	ND	10 µg/L
bis (2-Chloroethoxy) methane	ND	10 µg/L	2-Nitrophenol	ND	10 µg/L
bis (2-chloroisopropyl) ether	ND	10 µg/L	4-Nitrophenol	ND	10 µg/L
bis (2-Ethylhexyl) phthalate	ND	10 µg/L	N-Nitrosodi-n-propylamine	ND	10 µg/L
4-Bromophenyl phenyl ether	ND	50 µg/L	N-Nitroso-Dimethylamine	ND	10 µg/L
4-Chloro-3-methyl phenol	ND	10 µg/L	N-Nitrosodiphenylamine	ND	10 µg/L
2-Chloronaphthalene	ND	10 µg/L	Pentachlorophenol	ND	10 µg/L
2-Chlorophenol	ND	10 µg/L	Phenol	ND	10 µg/L
4-Chlorophenyl phenyl ether	ND	20 µg/L	Phenanthrene	ND	30 µg/L
Chrysene	ND	10 µg/L	Pyrene	ND	10 µg/L
Dibenzo (a,h) anthracene	ND	10 µg/L	1,2,4-Trichlorobenzene	ND	10 µg/L
Di-n-butyl phthalate	ND	10 µg/L	2,4,6-Trichlorophenol	ND	10 µg/L
1,2-Dichlorobenzene (o-DCB)	ND	10 µg/L	Toxaphene	ND	250 µg/L
1,3-Dichlorobenzene (m-DCB)	ND	10 µg/L			
1,4-Dichlorobenzene (p-DCB)	ND	10 µg/L			
2,4-Dichlorophenol	ND	10 µg/L			
3,3'-Dichlorobenzidine	ND	10 µg/L			
Diethylphthalate	ND	10 µg/L			
2,4-Dimethylphenol	ND	10 µg/L			
Dimethylphthalate	ND	10 µg/L			
2,4-Dinitrotoluene (DNT)	ND	50 µg/L			
2,6-Dinitrotoluene (DNT)	ND	10 µg/L			
2,4-Dinitrophenol	ND	10 µg/L			
Di-n-octyl phthalate	ND	10 µg/L			
Fluoranthene	ND	10 µg/L			
Fluorene	ND	10 µg/L			

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	93	33 - 141
2-Fluorobiphenyl	81	43 - 116
2-Fluorophenol	58	21 - 100
Nitrobenzene-d5	78	35 - 114
p-Terphenyl-d14	80	33 - 141
Phenol-d5	39	10 - 94

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID:
PROJECT #:

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 072598-V1-524-BLK

TEST: Purgeable Organic Compounds by EPA 524.2, September 1995
METHOD: EPA 524.2
MATRIX: Aqueous

ANALYST: DJH
EXTRACTED: 7/25/98
ANALYZED: 7/25/98

PARAMETER	Result µg/L	Reporting Limit	PARAMETER	Result µg/L	Reporting Limit
Benzene	ND	0.5 µg/L	trans-1,3-Dichloropropene	ND	0.5 µg/L
Bromobenzene	ND	0.5 µg/L	Ethylbenzene	ND	0.5 µg/L
Bromochloromethane	ND	0.5 µg/L	Hexachlorobutadiene	ND	0.5 µg/L
Bromodichloromethane	ND	0.5 µg/L	Isopropylbenzene	ND	0.5 µg/L
Bromoform	ND	0.5 µg/L	p-Isopropyltoluene	ND	0.5 µg/L
Bromomethane	ND	0.5 µg/L	Methylene chloride (Dichloromethane)	ND	0.5 µg/L
n-Butylbenzene	ND	0.5 µg/L	Naphthalene	ND	0.5 µg/L
sec-Butylbenzene	ND	0.5 µg/L	n-Propylbenzene	ND	0.5 µg/L
tert-Butylbenzene	ND	0.5 µg/L	Styrene	ND	0.5 µg/L
Carbon tetrachloride	ND	0.5 µg/L	1,1,1,2-Tetrachloroethane	ND	0.5 µg/L
Chlorobenzene	ND	0.5 µg/L	1,1,2,2-Tetrachloroethane	ND	0.5 µg/L
Chloroethane	ND	0.5 µg/L	Tetrachloroethene (PCE)	ND	0.5 µg/L
Chloroform	ND	0.5 µg/L	Toluene	ND	0.5 µg/L
Chloromethane	ND	0.5 µg/L	1,2,3-Trichlorobenzene	ND	0.5 µg/L
2-Chlorotoluene	ND	0.5 µg/L	1,2,4-Trichlorobenzene	ND	0.5 µg/L
4-Chlorotoluene	ND	0.5 µg/L	1,1,1-Trichloroethane (1,1,1-TCA)	ND	0.5 µg/L
Dibromochloromethane	ND	0.5 µg/L	1,1,2-Trichloroethane (1,1,2-TCA)	ND	0.5 µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.5 µg/L	Trichloroethene (TCE)	ND	0.5 µg/L
1,2-Dibromochloroethane (EDB)	ND	0.5 µg/L	Trichlorofluoromethane (Freon 11)	ND	0.5 µg/L
Dibromomethane	ND	0.5 µg/L	1,2,3-Trichloropropane	ND	0.5 µg/L
1,2-Dichlorobenzene (o-DCB)	ND	0.5 µg/L	1,2,4-Trichloropropane	ND	0.5 µg/L
1,3-Dichlorobenzene (m-DCB)	ND	0.5 µg/L	1,3,5-Trimethylbenzene	ND	0.5 µg/L
1,4-Dichlorobenzene (p-DCB)	ND	0.5 µg/L	Vinyl chloride	ND	0.5 µg/L
Dichlorodifluoromethane (Freon 12)	ND	0.5 µg/L	o-Xylene	ND	0.5 µg/L
1,1-Dichloroethane (1,1-DCA)	ND	0.5 µg/L	m,p-Xylene	ND	0.5 µg/L
1,2-Dichloroethane (1,2-DCA)	ND	0.5 µg/L	MTBE	ND	0.5 µg/L
1,1-Dichloroethene (1,1-DCE)	ND	0.5 µg/L			
cis-1,2-Dichloroethene	ND	0.5 µg/L			
trans-1,2-Dichloroethene	ND	0.5 µg/L			
1,2-Dichloropropane	ND	0.5 µg/L			
1,3-Dichloropropane	ND	0.5 µg/L			
2,2-Dichloropropane	ND	0.5 µg/L			
1,1-Dichloropropene	ND	0.5 µg/L			
cis-1,3-Dichloropropene	ND	0.5 µg/L			

QUALITY CONTROL DATA:

Surrogate

1,2-Dichlorobenzene-d4
4-Bromofluorobenzene

% Recovery

94
99

Acceptable Range

80- 120
80- 120

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
 PROJECT ID:
 PROJECT #:

CLIENT ID: S98-0283
 DATE SAMPLED: 7/18/98
 NEL SAMPLE ID: P9807067-01

TEST: AZ METALS PKG
 MATRIX: Aqueous

ANALYST: EMF

<u>PARAMETER</u>	<u>RESULT</u> mg/L	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Arsenic	0.033	0.001 mg/L	1	EPA 200.8	7/22/98	7/23/98
Barium	0.12	0.0025 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Calcium	600	2.5 mg/L	5	EPA 200.7	7/22/98	7/22/98
Iron	10	0.05 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Lead	0.0045	0.001 mg/L	1	EPA 200.8	7/22/98	7/23/98
Magnesium	140	0.25 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Manganese	0.51	0.0025 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Mercury	ND	0.0002 mg/L	1	EPA 245.1	7/22/98	7/22/98
Potassium	5.0	1. mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Selenium	0.0098	0.001 mg/L	1	EPA 200.8	7/22/98	7/23/98
Sodium	1400	2.5 mg/L	5	EPA 200.7	7/22/98	7/22/98
Zinc	0.098	0.05 mg/L	0.5	EPA 200.7	7/22/98	7/22/98

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
 PROJECT ID:
 PROJECT #:

CLIENT ID: S98-0284
 DATE SAMPLED: 7/18/98
 NEL SAMPLE ID: P9807067-02

TEST: AZ METALS PKG
 MATRX: Aqueous

ANALYST: EMF

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Arsenic	ND	0.001 mg/L	1	EPA 200.8	7/22/98	7/22/98
Barium	0.017	0.0025 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Calcium	410	2.5 mg/L	5	EPA 200.7	7/22/98	7/22/98
Iron	ND	0.05 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Lead	0.0068	0.001 mg/L	1	EPA 200.8	7/22/98	7/22/98
Magnesium	110	0.25 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Manganese	ND	0.0025 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Mercury	0.00023	0.0002 mg/L	1	EPA 245.1	7/22/98	7/22/98
Potassium	3.6	1. mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Selenium	0.0034	0.001 mg/L	1	EPA 200.8	7/22/98	7/22/98
Sodium	860	2.5 mg/L	5	EPA 200.7	7/22/98	7/22/98
Zinc	ND	0.05 mg/L	0.5	EPA 200.7	7/22/98	7/22/98

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.

CLIENT ID: Method Blank

PROJECT ID:

DATE SAMPLED: NA

PROJECT #:

NEL SAMPLE ID: P07067HG-BLK

TEST: AZ METALS PKG

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D.F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Mercury	ND	0.0002mg/L	1	EPA 245.1	7/22/98	7/22/98

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.

CLIENT ID: Method Blank

PROJECT ID:

DATE SAMPLED: NA

PROJECT #:

NEL SAMPLE ID: P070671-BLK

TEST: AZ METALS PKG

<u>PARAMETER</u>	<u>RESULT</u> <u>mg/L</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>DIGESTED</u>	<u>ANALYZED</u>
Arsenic	ND	0.001 mg/L	1	EPA 200.8	7/22/98	7/22/98
Barium	ND	0.0025 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Cadmium	ND	0.002 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Calcium	ND	0.25 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Iron	ND	0.05 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Lead	ND	0.001 mg/L	1	EPA 200.8	7/22/98	7/22/98
Magnesium	ND	0.25 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Manganese	ND	0.0025 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Potassium	ND	1 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Selenium	ND	0.001 mg/L	1	EPA 200.8	7/22/98	7/22/98
Sodium	ND	0.25 mg/L	0.5	EPA 200.7	7/22/98	7/22/98
Zinc	ND	0.05 mg/L	0.5	EPA 200.7	7/22/98	7/22/98

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID:
PROJECT #:

CLIENT ID: S98-0283
DATE SAMPLED: 7/18/98
NEL SAMPLE ID: P9807067-01

TEST: Inorganic Non-Metals
MATRIX: Drinking Water

PARAMETER	RESULT	REPORTING		D. F.	METHOD	UNITS	ANALYZED
		LIMIT					
Alkalinity - Bicarbonate	120	25.	1		SM 2320 B	mg/L	7/23/98
Alkalinity - Carbonate	ND	25.	1		SM 2320 B	mg/L	7/23/98
Alkalinity - Hydroxide	ND	25.	1		SM 2320 B	mg/L	7/23/98
Alkalinity, Total	120	25.	1		SM 2320 B	mg/L	7/23/98
Chloride	1200	50.	500		EPA 300.0	mg/L	7/23/98
pH	7.39	2.	1		EPA 150.1	pH Units	7/21/98
pH Temperature	24.5	1.	1		EPA 150.1	°C	7/21/98
Specific Conductance	5430	1.	1		SM 2510 B	µS/cm	7/27/98
Sulfate	650	50.	500		EPA 300.0	mg/L	7/23/98
Total Dissolved Solids	3590	25.	1		SM 2540 C	mg/L	7/24/98

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.
PROJECT ID:
PROJECT #:

CLIENT ID: S98-0284
DATE SAMPLED: 7/18/98
NEL SAMPLE ID: P9807067-02

TEST: Inorganic Non-Metals
MATRIX: Drinking Water

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Alkalinity - Bicarbonate	100	25.	1	SM 2320 B	mg/L	7/23/98
Alkalinity - Carbonate	ND	25.	1	SM 2320 B	mg/L	7/23/98
Alkalinity - Hydroxide	ND	25.	1	SM 2320 B	mg/L	7/23/98
Alkalinity, Total	100	25.	1	SM 2320 B	mg/L	7/23/98
Chloride	1800	100.	1000	EPA 300.0	mg/L	7/24/98
pH	7.21	2.	1	EPA 150.1	pH Units	7/21/98
pH Temperature	23.5	1.	1	EPA 150.1	°C	7/21/98
Specific Conductance	6840	1.	1	SM 2510 B	µS/cm	7/27/98
Sulfate	1600	100.	1000	EPA 300.0	mg/L	7/24/98
Total Dissolved Solids	4860	25.	1	SM 2540 C	mg/L	7/23/98

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.

CLIENT ID: Method Blank

PROJECT ID:

DATE SAMPLED: NA

PROJECT #:

NEL SAMPLE ID: 080723ALK-BLK

TEST: Non-Metals

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>mg/L</u>	<u>ANALYZED</u>
Alkalinity - Bicarbonate	ND	25	1	SM 2320 B	mg/L	7/23/98
Alkalinity - Carbonate	ND	25	1	SM 2320 B	mg/L	7/23/98
Alkalinity - Hydroxide	ND	25	1	SM 2320 B	mg/L	7/23/98
Alkalinity, Total	ND	25	1	SM 2320 B	mg/L	7/23/98

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.

CLIENT ID: Method Blank

PROJECT ID:

DATE SAMPLED: NA

PROJECT #:

NEL SAMPLE ID: 980723ICAQ2-BLK

TEST: Non-Metals

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>mg/L</u>	<u>ANALYZED</u>
Bromide	ND	0.1	1	EPA 300.0	mg/L	7/23/98
Chloride	ND	0.1	1	EPA 300.0	mg/L	7/23/98
Fluoride	ND	0.1	1	EPA 300.0	mg/L	7/23/98
Nitrate, as N	ND	0.05	1	EPA 300.0	mg/L-N	7/23/98
Nitrate/Nitrite as N, Total	ND	0.05	1	EPA 300.0	mg/L	7/23/98
Nitrite, as N	ND	0.05	1	EPA 300.0	mg/L-N	7/23/98
Orthophosphate, as P	ND	0.1	1	EPA 300.0	mg/L-P	7/23/98
Sulfate	ND	0.1	1	EPA 300.0	mg/L	7/23/98

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.

CLIENT ID: Method Blank

PROJECT ID:

DATE SAMPLED: NA

PROJECT #:

NEL SAMPLE ID: 980723tds-BLK

TEST: Non-Metals

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>mg/L</u>	<u>ANALYZED</u>
Total Dissolved Solids	ND	25	1	SM 2540 C	mg/L	7/23/98

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.

CLIENT ID: Method Blank

PROJECT ID:

DATE SAMPLED: NA

PROJECT #:

NEL SAMPLE ID: 9807241CAQ-BLK

TEST: Non-Metals

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>mg/L</u>	<u>ANALYZED</u>
Bromide	ND	0.1	1	EPA 300.0	mg/L	7/24/98
Chloride	ND	0.1	1	EPA 300.0	mg/L	7/24/98
Fluoride	ND	0.1	1	EPA 300.0	mg/L	7/24/98
Nitrate, as N	ND	0.05	1	EPA 300.0	mg/L-N	7/24/98
Nitrate/Nitrite as N, Total	ND	0.05	1	EPA 300.0	mg/L	7/24/98
Nitrite, as N	ND	0.05	1	EPA 300.0	mg/L-N	7/24/98
Orthophosphate, as P	ND	0.1	1	EPA 300.0	mg/L-P	7/24/98
Sulfate	ND	0.1	1	EPA 300.0	mg/L	7/24/98

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

NEL LABORATORIES

CLIENT: El Paso Natural Gas Co.

PROJECT ID:

PROJECT #:

TEST: Non-Metals

CLIENT ID: Method Blank

DATE SAMPLED: NA

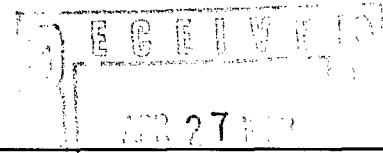
NEL SAMPLE ID: 980724tds-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D.F.</u>	<u>METHOD</u>	<u>mg/L</u>	<u>ANALYZED</u>
Total Dissolved Solids	ND	25	1	SM 2540 C	mg/L	7/24/98

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.



April 23, 1998

Mr. Roger Anderson
New Mexico Oil Conservation Division
Environmental Bureau
2040 S. Pacheco Street
Santa Fe, NM 87501

Re: Request for Permit to Discharge Hydrostatic Test Water in Chaves County, New Mexico

Dear Mr. Anderson:

El Paso Natural Gas Company (EPNG) plans to conduct a hydrostatic test on approximately 7,929 feet of used 30-inch pipe on the renovation its Line 1300 in the Chaves County, New Mexico. EPNG is seeking authorization to discharge the test water by either sprinkling it on the right-of-way, or by discharging it into the trench for pipe settling purposes. Past experience in our testing of used pipe has shown the test water to be of sufficient quality to allow direct discharge on the right-of-way or into the trench for pipe settling; however, if required, we can dewater into frac tanks, test the discharge water, and provide you with a full characterization of the test water before discharging.

The used pipe will be hydrostatically tested using approximately 280,000 gallons of water which will be obtained from Mr. Corn, a nearby land owner. Upon NMOCD authorization, EPNG proposes to discharge the test water on the right-of-way or into the trench located in Sections 31 and 36, T-6-S, R-22 & 23-E, Chaves County, New Mexico.

Attached are information sheets showing the location and other discharge particulars for this project. The renovation of our Line 1300 will be from June 16 to July 20, 1998.

If you have any questions, please call me at 915/759-2271.

Sincerely,

A handwritten signature in black ink, appearing to read 'Richard Favila'.

Richard Favila, P.E.,
Principal Engineer
Compliance Services
Operation Services Division

Attachments

HYDROSTATIC TEST INFORMATION

Company	<u>El Paso Natural Gas</u>
Request Date	<u>April 23, 1998</u>
Person Requesting	<u>Richard Favila</u>
Title	<u>Principal Engineer</u>
	<u>915/759-2271</u>

A. TEST DESCRIPTION

1. Water Source	<u>Mr. Corn (nearby landowner)</u>
2. Test Pressure	<u>1045 psig</u>
3. Chemicals, Dyes, Tracers	<u>None</u>
4. Test Start Date	<u>Approx. 07/13/98</u> Duration <u>8 hours</u>
5. Discharge Duration	

B. FACILITY DESCRIPTION

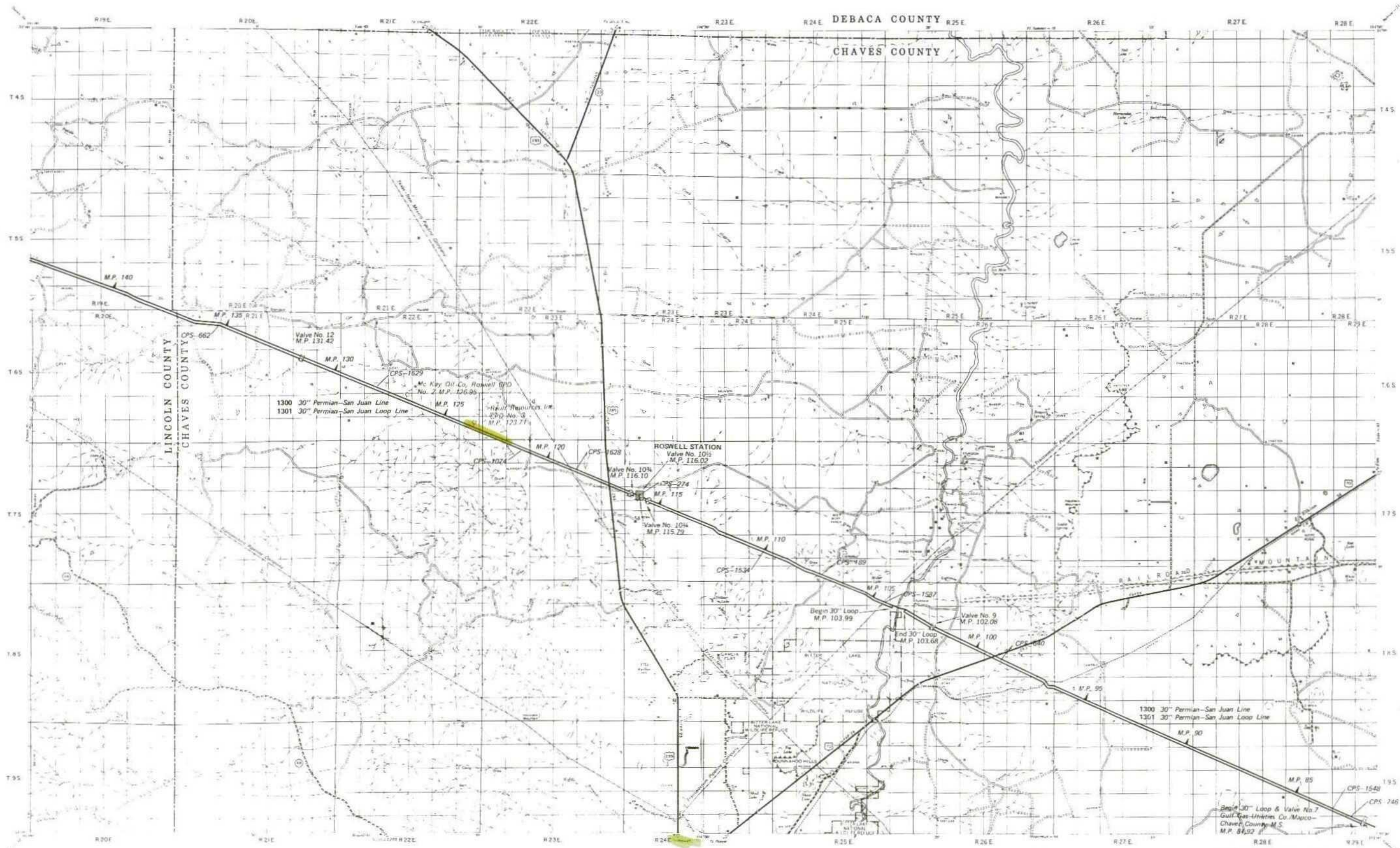
1. Dimension: ID	<u>30-inch</u>	<u>7,929</u> Ft.
2. Material: Steel, Iron, Cement, Plastic, Other	<u>Steel</u>	
3. New (Unused) - To be used for:		
Used, but Cleaned:		
Used, not Cleaned. Used for:	<u>Natural Gas</u>	
4. Pollutants on and/or in the Facility:		
Corrosion Preventives	<u>None</u>	
Product	<u>None</u>	
Corrosion	<u>None</u>	
5. Location:		
County	<u>Chaves</u>	Nearest City <u>Roswell, NM</u>
Runs	<u>Northwest (Bi-directional)</u>	to <u>Southeast</u>
Between	<u>MP 122+3711'</u> (Well) and <u>MP 124+1080'</u>	(Well Tie)
<u>Discharge Location: Sec. 31 & 36, T-6-S, R-22&23-W</u>		

C. DISCHARGE

1. Volume	<u>Approx. 280,000 gallons</u>
2. Point	<u>On right-of-way or into trench</u>
3. Path	<u>Pipe</u>
4. Receiving Water	<u>Trench</u>
5. Potential for Erosion	<u>None</u>
Nuisance	<u>None</u>
Detrimental Effect	<u>None</u>
6. Treatment to be provided for:	
a. Chemical	<u>None</u>
b. Discharge Point(s)	<u>None</u>
c. Suspended Solids	<u>None</u>
d. Pollutant Concentration After	<u>N/A</u>
7. Pollutant Disposal	<u>N/A</u>

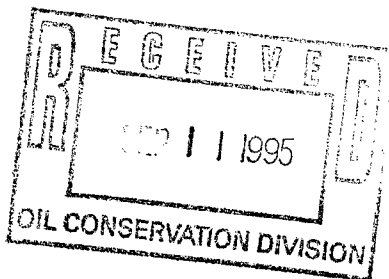
D. MAP(S)

1. Pipe Location	<u>See attached map</u>
2. Discharge Point(s)	<u>Right-of-way or to trench</u>
3. Discharge Path	<u>Pipe</u>
Highway and Road Access to Discharge Point	<u>Hwy 285 N. of Roswell</u>



El Paso
Natural Gas Company

September 6, 1995



P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

New Mexico Oil Conservation Division
Attn: Mr. Chris Eustice (505) 827-7153
2040 S. Pacheco St.
Santa Fe, NM. 87501

**Re: Permit to Discharge Hydrostatic Test Water from Used Pipe;
Reference NMOCD Certified Mail #P-176-012-168. (EPNG Project No. 4)**

Dear Mr. Eustice:

El Paso Natural Gas (EPNG) Company has completed hydrostatic testing on its 1300 pipeline in the Roswell, New Mexico area (EPNG Project No. 4). EPNG disposed of approximately 1,000 gallons of soapy wash water in a Class II injection well located in Texas as stated in EPNG's initial written request to the NMOCD dated July 26, 1995.

The remaining 250,000 gallons of test water is currently stored in FRAC tanks on the pipeline right of way site for the project. EPNG has sampled the stored test water and has received outside laboratory results with characterization of the water. Attached please find the test results from the analysis. The source water for the project was also sampled and analytical data for the source water is also provided.

Upon approval granted by NMOCD, EPNG wishes to now discharge the test water to trench or right of way. The hydrostatic test water will be filtered through a sock filter before discharge.

EPNG is seeking NMOCD approval to discharge the test water in the above mentioned manner. If you have any questions or need clarification on any of the above, please feel free to contact me at 915/541-3057. Thank you for your time and cooperation.

Sincerely,

A handwritten signature in black ink, appearing to read "Martin A. Fong".

Martin A. Fong, Senior Engineer
Environmental Compliance

SAMPLE KEY

SAMPLE NUMBER: ~~M95-0112~~ LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
~~SAMPLE DESCRIPTION: HYDROSTATIC TEST SOURCE WATER~~
S D CONTINUED: 1300 LINE @ M.P. 120+0517-124+1854
S D CONTINUED:
SAMPLE TIME: 10:45 SAMPLE DATE: 08/25/95

SAMPLE KEY

SAMPLE NUMBER: ~~M95-0113~~ LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
~~SAMPLE DESCRIPTION: HYDROSTATIC TEST DE-WATER COMPOSITE~~
S D CONTINUED: 1300 LINE @ M.P. 120+0517-124+1854
S D CONTINUED:
SAMPLE TIME: 11:40 SAMPLE DATE: 08/25/95

CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT NUMBER				PROJECT NAME				DATE				
LABID				DATE				TIME				
DATE				TIME				MATRIX				
SAMPLE NUMBER				TOTAL NUMBER OF CONTAINERS				COMPOSITE OR GRAB				
ANIONS				CATIONS				REMARKS				
5115	82535	0900	WATER	TRIP BLANK	2	6						
5116	1045	1045		TRIP BLANK	7	6						
5117	1140	1140		M950113	13	C						
PLEASE COMPOSITE VIALS M950113A - M950113D FOR 8240 ANALYSIS												
*SEE ATTACHED SHEET FOR ANIONS + CATIONS												

REQUESTED TURNAROUND TIME				DATE/TIME				RECEIVED BY: (Signature)			
ROUTINE				DATE/TIME				RECEIVED BY: (Signature)			
OFFERED				DATE/TIME				RECEIVED BY: (Signature)			
8-25-95				8-25-95 1300				8-25-95			
8-25-95				8-25-95				8-25-95			

RESULTS & INVOICES TO:				TRANSMISSION OPERATIONS LABORATORY			
CHARGE CODE				EL PASO NATURAL GAS COMPANY			
DATE/TIME				8645 RAILROAD DRIVE			
RECEIVED BY: (Signature)				EL PASO, TEXAS 79904			
915541-9228				915541-9228			

Phillip Environmental Corporate Laboratory
General Laboratory Report

Job Number : 95a15116, 95a15117
Plant/Generator : El Paso
Sample Type : Water
Date of Receipt : 08/28/95 Analyst : KL
Date of Report : 08/29/95 QC Review: KL
Parameters for Analysis : 625/8270 (Semi-volatile)
Outside Laboratory : None

Data:

The results for the samples listed above were obtained by GCMS analysis
EPA SW846 Method 8270.

Comments and Conclusions:

GCMS analysis performed using a Finnigan INCOS 50.

Plant/Generator : El Paso
Sample Type : Water
Date of Receipt : 08/26/95
Date of Report : 08/29/95
Parameters for Analysis : 624/8260 (VOC)

Analyst : CRB
QC Review: KL

Data:

The results for the samples listed above were obtained by GCMS analysis using EPA SW846 Method 8260.

Comments and Conclusions:



GCMS analysis performed using a HP 5972/5890 II MSD/GC.

BURLINGTON ENVIRONMENTAL INC. -CORPORATE LABORATORY

EPA Method 624/8260

SAMPLE: TRIP BLANK
 GCMS FILE: 082820.D
 LAB ID: 95A16115
 DIL. FAC: 1
 ml SAMP: 5.0 ml

ANALYZED: 08/28/95
 RECEIVED: 08/26/95
 ANALYST: Backer

SURR. REC%
 SS1 = 100
 SS2 = 97
 SS3 = 98

CAS NO.	COMPOUND	DETECTION LIMIT PPB	SAMPLE UG/L PPB	(FLAGS)
75-71-8	Dichlorodifluoromethane	1	ND	
74-87-3	Chloromethane	1	ND	
75-01-4	Vinyl chloride	1	ND	
74-83-9	Bromomethane	1	ND	
75-00-3	Chloroethane	1	ND	
75-89-4	Trichlorofluoromethane	1	ND	
308-83-2	1,1-Dichloro-1,2,2-Trifluoroethane	5	ND	
75-35-4	1,1-Dichloroethene	1	ND	
78-13-1	1,1,2-Trichlorotrifluoroethane	5	ND	
67-64-1	Acetone	5	ND	
78-15-0	Carbon Disulfide	1	ND	
107-83-5	2-Methylpentane	5	ND	
75-09-2	Methylene Chloride	5	ND	
98-14-0	3-Methylpentane	5	ND	
107-13-1	Acrylonitrile	5	ND	
156-80-5	trans-1,2-Dichloroethene	1	ND	
75-34-3	1,1-Dichloroethane	1	ND	
108-05-4	Vinyl Acetate	1	ND	
98-37-7	Methylcyclopentane	1	ND	
107-02-8	Acrolin	20	ND	
594-20-7	2,2-Dichloropropane	1	ND	
156-59-2	cis-1,2-Dichloroethene	1	ND	
78-93-3	2-Butanone (MEK)	5	ND	
74-97-5	Bromochloromethane	1	ND	
67-86-3	Chloroform	1	ND	
71-55-6	1,1,1-Trichloroethane	1	ND	
583-88-6	1,1-Dichloropropene	1	ND	
58-23-5	Carbon Tetrachloride	1	ND	
107-06-2	1,2-Dichloroethane	1	ND	
71-43-2	Benzene	1	ND	
79-01-8	Trichloroethene	2	ND	
78-87-6	1,2-Dichloropropane	1	ND	
74-95-3	Dibromomethane	1	ND	
75-27-4	Bromodichloromethane	1	ND	
110-75-8	2-Chloroethyl vinyl ether	1	ND	
10081-01-5	cis-1,3-Dichloropropene	1	ND	
108-10-1	4-Methyl-2-Pentanone (MIBK)	5	ND	
108-88-3	Toluene	2	ND	
98-18-4	1,2,3-Trichloropropane	1	ND	
10081-02-8	Trans-1,3-Dichloropropene	1	ND	
78-00-5	1,1,2-Trichloroethane	1	ND	
142-28-9	1,3-Dichloropropane	1	ND	
127-18-4	Tetrachloroethane	1	ND	

BURLINGTON ENVIRONMENTAL INC. -CORPORATE LABORATORY

EPA Method 624/8260

SAMPLE: TRIP BLANK
GCMS FILE: 082820.D
LAB ID: 95A15115
DIL. FAC: 1
ml SAMP: 5.0 ml

ANALYZED: 08/28/95
RECEIVED: 08/26/95
ANALYST: Backer

CAS NO.	COMPOUND	DETECTION LIMIT PPB	SAMPLE UG/L PPB	(FLAGS)
591-78-6	2-Hexanone	5	ND	
106-93-4	1,2-Dibromoethane	1	ND	
124-48-1	Dibromochloromethane	1	ND	
830-20-6	1,1,1,2-Tetrachloroethane	3	ND	
108-90-7	Chlorobenzene	1	ND	
100-41-4	Ethylbenzene	1	ND	
108-38-3	m-Xylene	1	ND	
106-42-3	p-Xylene	1	ND	
95-47-6	o-Xylene	1	ND	
100-42-5	Styrene	1	ND	
75-25-2	Bromoform	1	12	****
98-32-8	Isopropylbenzene	1	ND	
79-34-5	1,1,2,2-Tetrachloroethane	3	ND	
108-86-1	Bromobenzene	1	ND	
103-65-1	n-propylbenzene	1	ND	
108-67-8	1,3,5-Trimethylbenzene	1	ND	
95-49-8	2-Chlorotoluene	1	ND	
106-43-4	4-Chlorotoluene	1	ND	
98-06-6	tert-Butylbenzene	1	ND	
95-63-6	1,2,4-Trimethylbenzene	1	ND	
135-98-8	sec-Butylbenzene	1	ND	
541-73-1	1,3-Dichlorobenzene	1	ND	
106-46-7	1,4-Dichlorobenzene	1	ND	
104-51-8	n-Butylbenzene	1	ND	
99-87-6	p-Isopropyltoluene	1	ND	
95-50-1	1,2-Dichlorobenzene	1	ND	
96-12-8	1,2-Dibromo-3-chloropropane	5	10	
120-82-1	1,2,4-Trichlorobenzene	1	ND	
87-68-3	Hexachlorobutadiene	1	ND	
91-20-3	Naphthalene	5	ND	
87-61-6	1,2,3-Trichlorobenzene	1	ND	

**** Bromoform detected in separate run at different position at same levels.

ND = NOT DETECTED AT DETECTION LIMIT; B = IN BLANK; J = DETECTED BELOW DL.

E = THE CONCENTRATION OF THIS ANALYTE EXCEEDED THE INSTRUMENT CALIBRATION RANGE.

BURLINGTON ENVIRONMENTAL INC. -CORPORATE LABORATORY

EPA Method 824/8280

SAMPLE: M950113
GCMS FILE: 082822.D
LAB ID: 95A15117
DIL. FAC: 1
ml SAMP: 5.0 ml

ANALYZED: 08/28/95
RECEIVED: 08/26/95
ANALYST: Backer

SURR. REC%
SS1 = 103
SS2 = 97
SS3 = 97

CAS NO.	COMPOUND	DETECTION LIMIT PPB	SAMPLE UG/L PPB	(FLAGS)
75-71-8	Dichlorodifluoromethane	1	ND	
74-87-3	Chloromethane	1	ND	
32 75-01-4	Vinyl chloride	1	ND	
74-83-9	Bromomethane	1	ND	
75-00-3	Chloroethane	1	ND	
75-69-4	Trichlorofluoromethane	1	ND	
306-83-2	1,1-Dichloro-1,2,2-Trifluoroethane	5	ND	
27 75-35-4	1,1-Dichloroethene	1	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	5	ND	
67-64-1	Acetone	5	ND	
75-15-0	Carbon Disulfide	1	ND	
107-83-6	2-Methylpentane	5	ND	
25 75-09-2	Methylene Chloride	5	ND	
96-14-0	3-Methylpentane	5	ND	
107-13-1	Acrylonitrile	5	ND	
156-60-5	trans-1,2-Dichloroethene	1	ND	
27 75-34-3	1,1-Dichloroethane	1	ND	
108-05-4	Vinyl Acetate	1	ND	
96-37-7	Methylcyclopentane	1	ND	
107-02-8	Aerolien	20	ND	
584-20-7	2,2-Dichloropropane	1	ND	
156-59-2	cis-1,2-Dichloroethene	1	ND	
78-93-3	2-Butanone (MEK)	5	ND	
74-97-5	Bromochloromethane	1	ND	
26 67-66-3	Chloroform	1	ND	
27 71-55-6	1,1,1-Trichloroethane	1	ND	
583-58-6	1,1-Dichloropropane	1	ND	
18 68-23-6	Carbon Tetrachloride	1	ND	
19 107-06-2	1,2-Dichloroethane	1	ND	
15 71-43-2	Benzene	1	ND	
79-01-6	Trichloroethene	2	ND	
78-87-5	1,2-Dichloropropane	1	ND	
74-95-3	Dibromomethane	1	ND	
75-27-4	Bromodichloromethane	1	ND	
110-75-8	2-Chloroethyl vinyl ether	1	ND	
10061-01-6	cis-1,3-Dichloropropene	1	ND	
108-10-1	4-Methyl-2-Pentanone (MIBK)	5	ND	
17 108-88-3	Toluene	2	ND	
96-18-4	1,2,3-Trichloropropane	1	ND	
10061-02-6	Trans-1,3-Dichloropropene	1	ND	
30 79-00-6	1,1,2-Trichloroethane	1	ND	
142-28-9	1,3-Dichloropropene	1	ND	
127-18-4	Tetrachloroethene	1	ND	

volat, 10

BURLINGTON ENVIRONMENTAL INC. CORPORATE LABORATORY

EPA Method 824/8260

SAMPLE: M950113
 GCMS FILE: 082822.D
 LAB ID: 95A16117
 DIL. FAC: 1
 ml SAMP: 5.0 ml

ANALYZED: 08/28/95
 RECEIVED: 08/26/95
 ANALYST: Backer

CAS NO.	COMPOUND	DETECTION LIMIT PPB	SAMPLE UG/L PPB	(FLAGS)
591-78-6	2-Hexanone	5	ND	
106-93-4	1,2-Dibromoethane	1	ND	
124-48-1	Dibromochloromethane	1	ND	
630-20-6	1,1,1,2-Tetrachloroethane	3	ND	
108-90-7	Chlorobenzene	1	ND	
23 100-41-4	Ethylbenzene	1	ND	
108-38-3	m-Xylene	1	ND	
108-42-3	p-Xylene	1	ND	
24 95-47-6	o-Xylene	1	ND	
100-42-5	Styrene	1	ND	
75-25-2	Bromoform	1	ND	
98-32-8	Isopropylbenzene	1	ND	
79-34-5	1,1,2,2-Tetrachloroethane	3	ND	
108-86-1	Bromobenzene	1	ND	
103-65-1	n-propylbenzene	1	ND	
108-67-8	1,3,5-Trimethylbenzene	1	ND	
95-49-8	2-Chlorotoluene	1	ND	
108-43-4	4-Chlorotoluene	1	ND	
98-06-6	tert-Butylbenzene	1	ND	
95-63-6	1,2,4-Trimethylbenzene	1	ND	
135-98-8	sec-Butylbenzene	1	ND	
541-73-1	1,3-Dichlorobenzene	1	ND	
108-46-7	1,4-Dichlorobenzene	1	ND	
104-51-8	n-Butylbenzene	1	ND	
99-87-6	p-Isopropyltoluene	1	ND	
95-50-1	1,2-Dichlorobenzene	1	ND	
96-12-8	1,2-Dibromo-3-chloropropane	5	ND	
120-82-1	1,2,4-Trichlorobenzene	1	ND	
87-68-3	Hexachlorobutadiene	1	ND	
91-20-3	Naphthalene	5	ND	
87-61-6	1,2,3-Trichlorobenzene	1	ND	

ND = NOT DETECTED AT DETECTION LIMIT; B = IN BLANK; J = DETECTED BELOW DL.
 E = THE CONCENTRATION OF THIS ANALYTE EXCEEDED THE INSTRUMENT CALIBRATION RANGE.

Philip Environmental Corporate Laboratory

EPA Method 825/8270

SAMPLE: M950113
GCMS FILE: 0828012.D
LAB ID: 95a15117
DIL. FAC: 1
ml SAMP: 1000 ml

ANALYZED: 08/28/95
RECEIVED: 08/28/95
EXTRACTED: 08/28/95
ANALYST: Luna

CAS NO.	COMPOUND	DETECTION LIMIT PPB	SAMPLE UG/L PPB (FLAGS)
62-53-3	Aniline	5	ND
111-44-4	bis(2-Chloroethyl)ether	1	ND
108-95-2	Phenol	1	ND
95-57-8	2-Chlorophenol	1	ND
541-73-1	1,3-Dichlorobenzene	1	ND
108-48-7	1,4-Dichlorobenzene	1	ND
95-50-1	1,2-Dichlorobenzene	1	ND
100-51-6	Benzyl alcohol	2	ND
108-60-1	bis(2-chloroisopropyl)ether	1	ND
95-48-7	2-Methylphenol	1	ND
87-72-1	Hexachloroethane	1	ND
621-84-7	N-Nitroso-di-n-propylamine	1	ND
108-44-5	4-Methylphenol	1	ND
98-95-3	Nitrobenzene	1	ND
78-59-1	Isophorone	1	ND
88-75-5	2-Nitrophenol	1	ND
105-87-9	2,4-Dimethylphenol	1	ND
111-91-1	bis(2-Chloroethoxy)methane	1	ND
120-83-2	2,4-Dichlorophenol	1	ND
120-82-1	1,2,4-Trichlorobenzene	1	ND
91-20-3	Naphthalene	1	ND
106-47-8	4-Chloroaniline	2	ND
87-68-3	Hexachlorobutadiene	1	ND
59-50-7	4-Chloro-3-methylphenol	2	ND
91-57-6	2-Methylnaphthalene	1	ND
77-47-4	Hexachlorocyclopentadiene	1	ND
88-06-2	2,4,6-Trichlorophenol	1	ND
95-95-4	2,4,5-Trichlorophenol	1	ND
91-58-7	2-Chloronaphthalene	1	ND
88-74-4	2-Nitroaniline	2	ND
208-96-8	Acenaphthylene	1	ND
131-11-3	Dimethylphthalate	1	ND
606-20-2	2,6-Dinitrotoluene	1	ND
83-32-9	Acenaphthene	1	ND
99-09-2	3-Nitroaniline	5	ND
51-28-5	2,4-Dinitrophenol	5	ND
132-84-9	Dibenzofuran	5	ND
121-14-2	2,4-Dinitrotoluene	1	ND
100-02-7	4-Nitrophenol	1	ND
88-73-7	Fluorene	1	ND
7005-72-3	4-Chlorophenyl-phenylether	1	ND
84-86-2	Diethylphthalate	1	ND
100-01-6	4-Nitroaniline	5	ND

Philip Environmental Corporate Laboratory

EPA Method 625/8270

SAMPLE: M950113
 GCMS FILE: 0828012.D
 LAB ID: 95a15117
 DIL. FAC: 1
 ml SAMP: 1000 ml

ANALYZED: 08/28/95
 RECEIVED: 08/28/95
 EXTRACTED: 08/28/95
 ANALYST: Luna

CAS NO.	COMPOUND	DETECTION LIMIT PPB	SAMPLE UG/L PPB (FLAGS)
534-52-1	4,6-Dinitro-2-methylphenol	5	ND
86-30-8	n-Nitrosodiphenylamine	1	ND
103-33-3	Azobenzene	1	ND
101-55-3	4-Bromophenyl-phenylether	1	ND
118-74-1	Hexachlorobenzene	1	ND
87-86-5	Pentachlorophenol	5	ND
85-01-8	Phenanthrene	1	ND
120-12-7	Anthracene	1	ND
84-74-2	Di-n-butylphthalate	1	ND
208-44-0	Fluoranthene	1	ND
92-87-5	Benzidine	1	ND
129-00-0	Pyrene	1	ND
85-68-7	Butylbenzylphthalate	1	ND
91-84-1	3,3'-Dichlorobenzidine	1	ND
58-55-3	Benzo[a]anthracene	2	ND
218-01-9	Chrysene	1	ND
117-81-7	bis(2-Ethylhexyl)phthalate	5	ND
117-84-0	Di-n-octylphthalate	1	ND
205-99-2	Benzo[b]fluoranthene	1	ND
207-08-9	Benzo[k]fluoranthene	1	ND
50-32-8	Benzo[a]pyrene	1	ND
193-39-5	Indeno[1,2,3-cd]pyrene	1	ND
53-70-3	Dibenz[a,h]anthracene	1	ND
191-24-2	Benzo[g,h,i]perylene	1	ND

Surrogate Standard Recoveries (%):

2-Fluorophenol	28
Phenol-d5	19
Nitrobenzene-d5	66
2-Fluorobiphenyl	91
2,4,6-Tribromophenol	34
Terphenyl-d14	94

ND = Not detected at detection limit; B = In blank; J = Detected below DL.
 E = The concentration of this analyte exceeded the instrument calibration range.

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:

El Paso Natural Gas Co.
Transmission Operations Lab
8645 Railroad Drive
El Paso, TX
79904

Date Received: 8/28/95
Date Sampled: 8/25/95
Date Reported: 8/31/95

Laboratory No.: 95-A15117
Sample ID.: M950113

Job Number: 4674

Analyte	Results	Units	Method	Analyst	Date
GENERAL CHEMISTRY					
pH	7.2	pH	150.1	BLW	8/28/95
Total Dissolved Solids	Comment	mg/L	2540 C		
Chloride	900	mg/L	4110	EML	8/28/95
Fluoride	< 10.	mg/L	4110	EML	8/28/95
Nitrate	< 20.	mg/L	4110	EML	8/28/95
Sulfate	800	mg/L	4110	EML	8/28/95
TOTAL METALS					
Arsenic	< 0.10	mg/L	6010/200.7	EML	8/29/95
Barium	< 0.20	mg/L	6010/200.7	EML	8/29/95
Boron	0.20	mg/L	6010/200.7	EML	8/29/95
Cadmium	0.016	mg/L	6010/200.7	EML	8/29/95
Calcium	270	mg/L	6010/200.7	EML	8/29/95
Chromium	< 0.010	mg/L	6010/200.7	EML	8/29/95
Copper	< 0.025	mg/L	6010/200.7	EML	8/29/95
Iron	11.	mg/L	6010/200.7	EML	8/29/95
Lead	< 0.10	mg/L	6010/200.7	EML	8/29/95
Magnesium	86.	mg/L	6010/200.7	EML	8/29/95
Manganese	0.49	mg/L	6010/200.7	EML	8/29/95
Mercury	< 0.050	mg/L	6010	EML	8/29/95
Potassium	5.8	mg/L	6010/200.7	EML	8/29/95
Selenium	< 0.30	mg/L	6010/200.7	EML	8/29/95
Silver	< 0.010	mg/L	6010/200.7	EML	8/29/95
Sodium	620	mg/L	6010/200.7	EML	8/29/95
Zinc	0.059	mg/L	6010/200.7	EML	8/29/95

Outside Lab Analysis done

Volatile Organics See Attached Report.

Semi-Volatile Organics See Attached Report.

Reviewed By :



9/ 1/95

SOUND ANALYTICAL SERVICES, INC.

Philip Environmental Laboratory
Project: EPNG
Lab No. 51059
August 30, 1995

Lab Sample No. 51059-2

Client ID: 95A15117
M950113**General Chemistry**

<u>Parameter</u>	<u>Method</u>	<u>Result</u>	<u>PQL</u>
Bromide, mg/L	EPA 300.0	ND	1
Total Dissolved Solid, mg/L	EPA 160.2	2,900	5
Alkalinity (as CaCO ₃), mg/L	EPA 310.1	96	3
Hardness (as CaCO ₃), mg/L	EPA 130.2	1,500	100
Specific Conductance, umhos/cm	EPA 120.1	4,300	100

ICP Metals Per EPA Method 200.7
Date Analyzed: 8-29-95
Units: mg/L

<u>Parameter</u>	<u>Result</u>	<u>PQL</u>
Silica	14	0.11

ND - Not Detected

PQL - Practical Quantitation Limit

BURLINGTON ENVIRONMENTAL INC. -CORPORATE LABORATORY

EPA Method 624/8260

SAMPLE: M950112
 GCMS FILE: 082821.D
 LAB ID: 95A15116
 DIL. FAC: 1
 ml SAMP: 5.0 ml

ANALYZED: 08/28/95
 RECEIVED: 08/26/95
 ANALYST: Becker

SURR. REC%
 SS1 = 101
 SS2 = 98
 SS3 = 98

CAS NO.	COMPOUND	DETECTION LIMIT PPB	SAMPLE UG/L PPB (FLAGS)
75-71-8	Dichlorodifluoromethane	1	ND
74-87-3	Chloromethane	1	ND
75-01-4	Vinyl chloride	1	ND
74-83-9	Bromomethane	1	ND
75-00-3	Chloroethane	1	ND
75-69-4	Trichlorofluoromethane	1	ND
306-83-2	1,1-Dichloro-1,2,2-Trifluoroethane	5	ND
75-35-4	1,1-Dichloroethane	1	ND
76-13-1	1,1,2-Trichlorotrifluoroethane	5	ND
67-64-1	Acetone	5	ND
75-15-0	Carbon Disulfide	1	ND
107-83-5	2-Methylpentane	5	ND
75-09-2	Methylene Chloride	5	ND
96-14-0	3-Methylpentane	5	ND
107-13-1	Acrylonitrile	5	ND
156-80-5	trans-1,2-Dichloroethene	1	ND
75-34-3	1,1-Dichloroethane	1	ND
108-05-4	Vinyl Acetate	1	ND
96-37-7	Methylcyclopentane	1	ND
107-02-8	Acrolin	20	ND
594-20-7	2,2-Dichloropropane	1	ND
156-59-2	cis-1,2-Dichloroethene	1	ND
78-93-3	2-Butanone (MEK)	5	ND
74-97-6	Bromochloromethane	1	ND
67-66-3	Chloroform	1	ND
71-55-6	1,1,1-Trichloroethane	1	ND
583-58-6	1,1-Dichloropropane	1	ND
56-23-5	Carbon Tetrachloride	1	ND
107-06-2	1,2-Dichloroethane	1	ND
71-43-2	Benzene	1	ND
79-01-6	Trichloroethene	2	ND
78-87-5	1,2-Dichloropropane	1	ND
74-95-3	Dibromomethane	1	ND
75-27-4	Bromodichloromethane	1	ND
110-75-8	2-Chloroethyl vinyl ether	1	ND
10061-01-5	cis-1,3-Dichloropropene	1	ND
108-10-1	4-Methyl-2-Pentanone (MIBK)	5	ND
108-88-3	Toluene	2	ND
96-18-4	1,2,3-Trichloropropane	1	ND
10061-02-6	Trans-1,3-Dichloropropene	1	ND
79-00-5	1,1,2-Trichloroethane	1	ND
142-28-9	1,3-Dichloropropane	1	ND
127-18-4	Tetrachloroethene	1	ND

BURLINGTON ENVIRONMENTAL INC. -CORPORATE LABORATORY

EPA Method 824/8260

SAMPLE: M950112
GCMS FILE: 082821.D
LAB ID: 55A15116
DIL. FAC: 1
ml SAMP: 5.0 ml

ANALYZED: 08/28/95
RECEIVED: 08/28/95
ANALYST: Becker

CAS NO.	COMPOUND	DETECTION LIMIT PPB	SAMPLE UG/L PPB	(FLAGS)
691-78-6	2-Hexanone	5	ND	
106-93-4	1,2-Dibromoethane	1	ND	
124-48-1	Dibromochloromethane	1	ND	
630-20-6	1,1,1,2-Tetrachloroethane	3	ND	
108-90-7	Chlorobenzene	1	ND	
100-41-4	Ethylbenzene	1	ND	
106-36-3	m-Xylene	1	ND	
106-42-3	p-Xylene	1	ND	
95-47-8	o-Xylene	1	ND	
100-42-5	Styrene	1	ND	
75-26-2	Bromoform	1	ND	
98-32-8	Isopropylbenzene	1	ND	
79-34-5	1,1,2,2-Tetrachloroethane	3	ND	
108-86-1	Bromobenzene	1	ND	
103-65-1	n-Propylbenzene	1	ND	
108-67-8	1,3,5-Trimethylbenzene	1	ND	
95-49-8	2-Chlorotoluene	1	ND	
106-43-4	4-Chlorotoluene	1	ND	
98-09-6	tert-Butylbenzene	1	ND	
95-63-6	1,2,4-Trimethylbenzene	1	ND	
136-98-8	sec-Butylbenzene	1	ND	
641-73-1	1,3-Dichlorobenzene	1	ND	
106-48-7	1,4-Dichlorobenzene	1	ND	
104-51-8	n-Butylbenzene	1	ND	
98-07-6	p-Isopropyltoluene	1	ND	
85-60-1	1,2-Dichlorobenzene	1	ND	
96-12-8	1,2-Dibromo-3-chloropropane	5	ND	
120-82-1	1,2,4-Trichlorobenzene	1	ND	
07-66-3	Hexachlorobutadiene	1	ND	
91-20-3	Naphthalene	5	ND	
87-61-6	1,2,3-Trichlorobenzene	1	ND	

ND = NOT DETECTED AT DETECTION LIMIT; B = IN BLANK; J = DETECTED BELOW DL.
E = THE CONCENTRATION OF THIS ANALYTE EXCEEDED THE INSTRUMENT CALIBRATION RANGE.

Phillp Environmental Corporate Laboratory

EPA Method 625/8270

SAMPLE: M950112
GCMS FILE: 0828011.D
LAB ID: 95a15116
DIL. FAC: 1
ml SAMP: 1000 ml

ANALYZED: 08/28/95
RECEIVED: 08/28/95
EXTRACTED: 08/28/95
ANALYST: Luna

CAS NO.	COMPOUND	DETECTION LIMIT PPB	SAMPLE UG/L PPB (FLAGS)
62-53-3	Aniline	5	ND
111-44-4	bis(2-Chloroethyl)ether	1	ND
108-95-2	Phenol	1	ND
95-57-8	2-Chlorophenol	1	ND
541-73-1	1,3-Dichlorobenzene	1	ND
108-46-7	1,4-Dichlorobenzene	1	ND
95-50-1	1,2-Dichlorobenzene	1	ND
100-51-8	Benzyl alcohol	2	ND
108-60-1	bis(2-chloroisopropyl)ether	1	ND
95-48-7	2-Methylphenol	1	ND
67-72-1	Hexachloroethane	1	ND
621-64-7	N-Nitroso-di-n-propylamine	1	ND
106-44-5	4-Methylphenol	1	ND
98-95-3	Nitrobenzene	1	ND
78-59-1	Isophorone	1	ND
88-75-5	2-Nitrophenol	1	ND
105-67-9	2,4-Dimethylphenol	1	ND
111-91-1	bis(2-Chloroethoxy)methane	1	ND
120-83-2	2,4-Dichlorophenol	1	ND
120-82-1	1,2,4-Trichlorobenzene	1	ND
91-20-3	Naphthalene	1	ND
106-47-8	4-Chloroaniline	2	ND
67-68-3	Hexachlorobutadiene	1	ND
59-50-7	4-Chloro-3-methylphenol	2	ND
91-57-6	2-Methylnaphthalene	1	ND
77-47-4	Hexachlorocyclopentadiene	1	ND
88-08-2	2,4,6-Trichlorophenol	1	ND
95-95-4	2,4,5-Trichlorophenol	1	ND
91-58-7	2-Chloronaphthalene	1	ND
88-74-4	2-Nitroaniline	2	ND
208-96-8	Acenaphthylene	1	ND
131-11-3	Dimethylphthalate	1	ND
606-20-2	2,6-Dinitrotoluene	1	ND
83-32-9	Acenaphthene	1	ND
99-09-2	3-Nitroaniline	5	ND
51-28-5	2,4-Dinitrophenol	5	ND
132-84-9	Dibenzofuran	5	ND
121-14-2	2,4-Dinitrotoluene	1	ND
100-02-7	4-Nitrophenol	1	ND
86-73-7	Fluorene	1	ND
7005-72-3	4-Chlorophenyl-phenylether	1	ND
84-88-2	Diethylphthalate	1	ND
100-01-0	4-Nitroaniline	5	ND

Philip Environmental Corporate Laboratory

EPA Method 825/8270

SAMPLE: M950112
 GCMS FILE: 0828011.D
 LAB ID: 95a15116
 DIL. FAC: 1
 ml SAMP: 1000 ml

ANALYZED: 08/28/95
 RECEIVED: 08/28/95
 EXTRACTED: 08/28/95
 ANALYST: Luna

CAS NO.	COMPOUND	DETECTION LIMIT PPB	SAMPLE UG/L PPB (FLAGS)
534-52-1	4,6-Dinitro-2-methylphenol	5	ND
88-30-8	n-Nitrosodiphenylamine	1	ND
103-93-3	Azobenzene	1	ND
101-55-3	4-Bromophenyl-phenylether	1	ND
118-74-1	Hexachlorobenzene	1	ND
87-86-5	Pentachlorophenol	5	ND
85-01-8	Phenanthrene	1	ND
120-12-7	Anthracene	1	ND
84-74-2	Di-n-butylphthalate	1	ND
208-44-0	Fluoranthene	1	ND
92-87-5	Benzidine	1	ND
129-00-0	Pyrene	1	ND
85-68-7	Butylbenzylphthalate	1	ND
91-94-1	3,3'-Dichlorobenzidine	1	ND
56-55-3	Benzo[a]anthracene	2	ND
218-01-9	Chrysene	1	ND
117-81-7	bis(2-Ethylhexyl)phthalate	5	ND
117-84-0	Di-n-octylphthalate	1	ND
205-99-2	Benzo[b]fluoranthene	1	ND
207-08-9	Benzo[k]fluoranthene	1	ND
50-32-8	Benzo[a]pyrene	1	ND
193-39-5	Indeno[1,2,3-cd]pyrene	1	ND
53-70-3	Dibenz[a,h]anthracene	1	ND
191-24-2	Benzo[g,h,i]perylene	1	ND

Surrogate Standard Recoveries (%):

2-Fluorophenol	45
Phenol-d5	45
Nitrobenzene-d5	60
2-Fluorobiphenyl	72
2,4,6-Tribromophenol	32
Terphenyl-d14	90

ND = Not detected at detection limit; B = In blank; J = Detected below DL.
 E = The concentration of this analyte exceeded the instrument calibration range.

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:

El Paso Natural Gas Co.
Transmission Operations Lab
8645 Railroad Drive
El Paso, TX
79904

Date Received: 8/28/95
Date Sampled: 8/25/95
Date Reported: 8/31/95

Laboratory No.: 95-A15116
Sample ID.: M950112

Job Number: 4674

Analyte	Results	Units	Method	Analyst	Date
GENERAL CHEMISTRY					
pH	7.8	pH	150.1	BLW	8/28/95
Total Dissolved Solids	Comment	mg/L	2540 C		
Chloride	930	mg/L	4110	EML	8/28/95
Fluoride	< 10.	mg/L	4110	EML	8/28/95
Nitrate	< 20.	mg/L	4110	EML	8/28/95
Sulfate	650	mg/L	4110	EML	8/28/95
TOTAL METALS					
Arsenic	< 0.10	mg/L	6010/200.7	EML	8/29/95
Barium	< 0.20	mg/L	6010/200.7	EML	8/29/95
Boron	0.19	mg/L	6010/200.7	EML	8/29/95
Cadmium	< 0.005	mg/L	6010/200.7	EML	8/29/95
Calcium	260	mg/L	6010/200.7	EML	8/29/95
Chromium	< 0.010	mg/L	6010/200.7	EML	8/29/95
Copper	< 0.025	mg/L	6010/200.7	EML	8/29/95
Iron	< 0.10	mg/L	6010/200.7	EML	8/29/95
Lead	< 0.10	mg/L	6010/200.7	EML	8/29/95
Magnesium	84.	mg/L	6010/200.7	EML	8/29/95
Manganese	< 0.015	mg/L	6010/200.7	EML	8/29/95
Mercury	< 0.050	mg/L	6010	EML	8/29/95
Potassium	< 5.0	mg/L	6010/200.7	EML	8/29/95
Selenium	< 0.30	mg/L	6010/200.7	EML	8/29/95
Silver	< 0.010	mg/L	6010/200.7	EML	8/29/95
Sodium	590	mg/L	6010/200.7	EML	8/29/95
Zinc	< 0.020	mg/L	6010/200.7	EML	8/29/95

Outside Lab Analysis ANIONS/CATION
Volatile Organics See Attached Report.
Semi-Volatile Organics See Attached Report.

Reviewed By :



9/ 1/95

AUG-31-95 THU 7:11

SOUND ANALYTICAL

FAX NO. 2069222310

P.02

SOUND ANALYTICAL SERVICES, INC.

ANALYTICAL & ENVIRONMENTAL CHEMISTS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 • TELEPHONE (206)922-2510 • FAX (206)922-8847

Report To: Philip Environmental
Laboratory

Date: August 30, 1995

Report On: Analysis of Water

Lab No.: 51059

IDENTIFICATION:

Samples received on 08-28-95

Project: EPNG

P.O. No. 64259

ANALYSIS:

Lab Sample No. 51059-1

Client ID: 95A15116
M950112**General Chemistry**

Parameter	Method	Result	PQL
Bromide, mg/L	EPA 300.0	ND	1
Total Dissolved Solid, mg/L	EPA 160.2	2,800	5
Alkalinity (as CaCO ₃), mg/L	EPA 310.1	66	3
Hardness (as CaCO ₃), mg/L	EPA 120.2	870	10
Specific Conductance, umhos/cm	EPA 120.1	4,500	100

ICP Metals Per EPA Method 200.7

Date Analyzed: 8-29-95

Units: mg/L

Parameter	Result	PQL
Silica	21	0.11

ND - Not Detected

PQL - Practical Quantitation Limit

This report is issued solely for the use of the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis in accordance with industry acceptable practice. In no event shall Sound Analytical Services, Inc. or its employees be responsible for consequential or special damages in any kind or in any amount.

MEMORANDUM OF CONVERSATION

✓ TELEPHONE ___ PERSONAL TIME 130 pm DATE 9-6-95

ORIGINATING PARTY CHRIS EUSTICE (OCC-2B)

OTHER PARTIES MARTIN FONG (EPNG)

DISCUSSION EPNG wants to discharge hydrostatic test water to the ground. Martin Fong submitted analysis showing cadmium above WQCC standards.

WQCC Cadmium limit 0.10 mg/l

analytical result 0.16 mg/l

CONCLUSIONS EPNG suspects that the welded sample fitting they put on frac tanks to capture samples probably contributed to the elevated levels of cadmium.

They will re-sample

CHRIS EUSTICE

CE

SAMPLE KEY

SAMPLE NUMBER: ~~M95-0128~~ LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
SAMPLE DESCRIPTION: ~~HYDROSTATIC TEST SOURCE WATER - POND #1~~
S D CONTINUED: 1300 LINE @ M.P. 120+0517 - 124+1854
S D CONTINUED:
SAMPLE TIME: 14:00 SAMPLE DATE: 09/15/95

SAMPLE KEY

SAMPLE NUMBER: ~~M95-0129~~ LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
SAMPLE DESCRIPTION: ~~HYDROSTATIC TEST SOURCE WATER - POND #2~~
S D CONTINUED: 1300 LINE @ M.P. 120+0517 - 124+1854
S D CONTINUED:
SAMPLE TIME: 14:05 SAMPLE DATE: 09/15/95

SAMPLE KEY

SAMPLE NUMBER: ~~M95-0130~~ LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
SAMPLE DESCRIPTION: ~~HYDROSTATIC TEST DEWATER - FRAC TANK #1~~
S D CONTINUED: 1300 LINE @ M.P. 120+0517 - 124+1854
S D CONTINUED:
SAMPLE TIME: 14:30 SAMPLE DATE: 09/15/95

SAMPLE KEY

SAMPLE NUMBER: ~~M95-0131~~ LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
SAMPLE DESCRIPTION: ~~HYDROSTATIC TEST DEWATER - FRAC TANK #2~~
S D CONTINUED: 1300 LINE @ M.P. 120+0517 - 124+1854
S D CONTINUED:
SAMPLE TIME: 14:35 SAMPLE DATE: 09/15/95

SAMPLE KEY

SAMPLE NUMBER: ~~M95-0132~~ LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
SAMPLE DESCRIPTION: ~~HYDROSTATIC TEST DEWATER - FRAC TANK #3~~
S D CONTINUED: 1300 LINE @ M.P. 120+0517 - 124+1854
S D CONTINUED:
SAMPLE TIME: 14:40 SAMPLE DATE: 09/15/95

SAMPLE KEY

SAMPLE NUMBER: ~~M95-0133~~ LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
SAMPLE DESCRIPTION: ~~HYDROSTATIC TEST DEWATER - FRAC TANK #4~~
S D CONTINUED: 1300 LINE @ M.P. 120+0517 - 124+1854
S D CONTINUED:
SAMPLE TIME: 14:45 SAMPLE DATE: 09/15/95

SAMPLE KEY

SAMPLE NUMBER: ~~M95-0134~~ LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
~~SAMPLE DESCRIPTION: HYDROSTATIC TEST DEWATER - FRAC TANK #5~~
S D CONTINUED: 1300 LINE @ M.P. 120+0517 - 124+1854
S D CONTINUED:
SAMPLE TIME: 14:50 SAMPLE DATE: 09/15/95

SAMPLE KEY

SAMPLE NUMBER: ~~M95-0135~~ LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
~~SAMPLE DESCRIPTION: HYDROSTATIC TEST DEWATER - FRAC TANK #6~~
S D CONTINUED: 1300 LINE @ M.P. 120+0517 - 124+1854
S D CONTINUED:
SAMPLE TIME: 14:55 SAMPLE DATE: 09/15/95

SAMPLE KEY

SAMPLE NUMBER: ~~M95-0136~~ LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
~~SAMPLE DESCRIPTION: HYDROSTATIC TEST DEWATER - FRAC TANK #7~~
S D CONTINUED: 1300 LINE @ M.P. 120+0517 - 124+1854
S D CONTINUED:
SAMPLE TIME: 15:00 SAMPLE DATE: 09/15/95

SAMPLE KEY

SAMPLE NUMBER: ~~M95-0137~~ LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
~~SAMPLE DESCRIPTION: HYDROSTATIC TEST DEWATER - FRAC TANK #8~~
S D CONTINUED: 1300 LINE @ M.P. 120+0517 - 124+1854
S D CONTINUED:
SAMPLE TIME: 15:05 SAMPLE DATE: 09/15/95

SAMPLE KEY

SAMPLE NUMBER: ~~M95-0138~~ LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
~~SAMPLE DESCRIPTION: HYDROSTATIC TEST DEWATER - FRAC TANK #9~~
S D CONTINUED: 1300 LINE @ M.P. 120+0517 - 124+1854
S D CONTINUED:
SAMPLE TIME: 15:10 SAMPLE DATE: 09/15/95

SAMPLE KEY

SAMPLE NUMBER: ~~M95-0139~~ LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
~~SAMPLE DESCRIPTION: HYDROSTATIC TEST DEWATER - FRAC TANK #10~~
S D CONTINUED: 1300 LINE @ M.P. 120+0517 - 124+1854
S D CONTINUED:
SAMPLE TIME: 15:15 SAMPLE DATE: 09/15/95

SAMPLE KEY

SAMPLE NUMBER: M95-0140 LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
SAMPLE DESCRIPTION: HYDROSTATIC TEST DEWATER - FRAC TANK #11
S D CONTINUED: 1300 LINE @ M.P. 120+0517 - 124+1854
S D CONTINUED:
SAMPLE TIME: 15:20 SAMPLE DATE: 09/15/95

SAMPLE KEY

SAMPLE NUMBER: M95-0141 LOCATION: ROSWELL P/L DISTRICT
MATRIX: WATER
SAMPLE DESCRIPTION: HYDROSTATIC TEST DEWATER - FRAC TANK #12
S D CONTINUED: 1300 LINE @ M.P. 120+0517 - 124+1854
S D CONTINUED:
SAMPLE TIME: 15:10 SAMPLE DATE: 09/15/95

EPNG

ID:

SEP 22 '95

8:03 No.003 P.05

SEP-21-1195 16:53

TO EPNG CAMPBELL

P.01

PHILIP ENVIRONMENTAL
CORPORATE LABOR
ANALYTICAL REP.

Postnet Fax Note	7071	Date	9/21/95
To	Darrell	Phone	9/21
Co. Rep.		Co.	
Phone #		Phone #	
Fax #		Fax #	

Client:
El Paso Natural Gas Co.
Transmission Operations Lab
8645 Railroad Drive
El Paso, TX
79904

Date Received: 9/18/95
Date Sampled: 9/18/95
Date Reported: 9/18/95

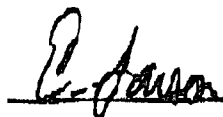
Laboratory No.: 95-A15963
Sample ID.: M950128

Source #1

Job Number: 4921

Analyte	Results	Units	Method	Analyst	Date
TOTAL METALS					
Cadmium	< 0.005	ng/L	6010/200.7	RML	9/21/95

Reviewed By :



9/21/95

SEP-21-1195 16154

TO EPNG CAMPBELL

P.02

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:
El Paso Natural Gas Co.
Transmission Operations Lab
6645 Railroad Drive
El Paso, TX
79904

Date Received: 9/18/95
Date Sampled: 9/15/95
Date Reported: 9/18/95

Laboratory No.: 85-A16964
Sample ID.: M9501229

Source #2

Job Number: 4921

Analyte	Results	Units	Method	Analyst	Date
TOTAL METALS Cadmium	< 0.005	mg/L	6010/200.7	BNL	9/21/95

Reviewed By :

E. Anderson

9/21/95

SEP-21-1995 16:54

TO EPNG CAMPBELL

P.03

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:

El Paso Natural Gas Co.
Transmission Operations Lab
8645 Railroad Drive
El Paso, TX
79904Date Received: 9/18/95
Date Sampled: 9/15/95
Date Reported: 9/18/95

Laboratory No.: 95-A16965

Sample ID.: M950130

frac tank # 1

Job Number: 4921

Analyte	Results	Units	Method	Analyst	Date
TOTAL METALS					
Cadmium	< 0.005	mg/L	6010/200.7	EML	9/21/95

Reviewed By :

E. Larson

9/21/95

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:

El Paso Natural Gas Co.
Transmission Operations Lab
8646 Railroad Drive
El Paso, TX
79904Date Received: 9/18/95
Date Sampled: 9/15/95
Date Reported: 9/18/95

Laboratory No.: 95-A16966

Sample ID: M950121

frac tank #2

Job Number: 4921

Analyte	Results	Units	Method	Analyst	Date
TOTAL METALS					
Cadmium	< 0.005	mg/L	6010/200.7	EML	9/21/95

Reviewed By :

E. Johnson

9/21/95

SEP-21-1195 16:55

TU EPNG CAMPBELL

P.05

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:

El Paso Natural Gas Co.
Transmission Operations Lab
8643 Railroad Drive
El Paso, TX
79904

Date Received: 9/18/95
Date Sampled: 9/15/95
Date Reported: 9/18/95

Laboratory No.: 95-A16967

Sample ID.: M950132

free tank #3

Job Number: 4921

Analyte	Results	Units	Method	Analyst	Date
TOTAL METALS					
Cadmium	< 0.005	mg/L	6010/200.7	EML	9/21/95

Reviewed By :

E. Jensen

9/21/95

SEP-21-1195 16:55

TO EPNG CAMPBELL

P.06

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:
El Paso Natural Gas Co.
Transmission Operations Lab
8645 Railroad Drive
El Paso, TX
79904

Date Received: 9/18/95
Date Sampled: 9/15/95
Date Reported: 9/18/95

Laboratory No.: 95-A1694A
Sample ID.: M950133

fracture #4

Job Number: 4921

Analyte	Results	Units	Method	Analyst	Date
TOTAL METALS					
Cadmium	< 0.005	mg/L	6010/200.7	EML	9/21/95

Reviewed By :

E. Hanson

9/21/95

SEP-21-1195 16:56

TO EPNG CAMPBELL

P.07

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:
El Paso Natural Gas Co.
Transmission Operations Lab
8645 Railroad Drive
El Paso, TX
79904

Date Received: 9/18/95
Date Sampled: 9/15/95
Date Reported: 9/18/95

Laboratory No.: 95-A16969
Sample ID.: M950134 # 5

Job Number: 4921

Analyte	Results	Units	Method	Analyst	Date
TOTAL METALS					
Cadmium	< 0.005	mg/L	6010/200.7	EML	9/21/95

Reviewed By : D. Jansen

9/21/95

SEP-21-1995 16:56

TO EPNG CAMPBELL

P.08

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:

El Paso Natural Gas Co.
Transmission Operations Lab
8645 Railroad Drive
El Paso, TX
79904

Date Received: 9/18/95

Date Sampled: 9/15/95

Date Reported: 9/28/95

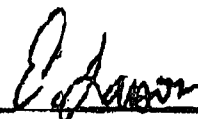
Laboratory No.: 95-A16970

Sample ID.: M950135 #6

Job Number: 4921

Analyte	Results	Units	Method	Analyst	Date
TOTAL METALS					
Cadmium	< 0.005	mg/L	6010/200.7	EML	9/21/95

Reviewed By :



9/21/95

SEP-21-1195 16:56

TO EPNG CAMPBELL

P.09

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:
El Paso Natural Gas Co.
Transmission Operations Lab
8645 Railroad Drive
El Paso, TX
79904

Date Received: 9/18/95
Date Sampled: 9/18/95
Date Reported: 9/18/95

Laboratory No.: 95-A16971
Sample ID.: M950136 #7

Job Number: 4921

Analyte	Results	Units	Method	Analyst	Date
TOTAL METALS					
Cadmium	< 0.005	mg/L	6010/200.7	EML	9/21/95

Reviewed By :

E. Dawson

9/21/95

SEP-21-1195 16:57

TO EPNG CAMPBELL

P.18

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:
El Paso Natural Gas Co.
Transmission Operations Lab
8648 Railroad Drive
El Paso, TX
79904

Date Received: 9/18/95
Date Sampled: 9/15/95
Date Reported: 9/18/95

Laboratory No.: 95-AL6972
Sample ID.: M950137 #8

Job Number: 4921

Analyte	Results	Units	Method	Analyst	Date
TOTAL METALS					
Cadmium	< 0.005	ng/L	6010/200.7	EML	9/21/95

Reviewed By :

E. Adams

9/21/95

SEP-21-1195 16:57

TO EPNG CAMPBELL

P.11

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:
El Paso Natural Gas Co.
Transmission Operations Lab
8645 Railroad Drive
El Paso, TX
79904

Date Received: 9/18/95
Date Sampled: 9/15/95
Date Reported: 9/18/95

Laboratory No.: 95-A16973
Sample ID.: M950138 #9

Job Number: 4921

Analyte	Results	Units	Method	Analyst	Date
TOTAL METALS					
Cadmium	< 0.005	mg/L	6010/200.7	EML	9/21/95

Reviewed By :

E. L. Loran

9/21/95

SEP-21-1195 16:57

TO EPNG CAMPBELL

P.12

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:
El Paso Natural Gas Co.
Transmission Operations Lab
8645 Railroad Drive
El Paso, TX
79904

Date Received: 9/18/95
Date Sampled: 9/15/95
Date Reported: 9/19/95

Laboratory No.: 95-A16974
Sample ID.: M950129 #10

Job Number: 4921

Analyte	Results	Units	Method	Analyst	Date
TOTAL METALS					
Cadmium	< 0.005	mg/L	6010/200.7 EMT		9/21/95

Reviewed By :

E. Johnson

9/21/95

SEP-21-1195 16:38

TO EPNG CAMPBELL

P.13

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:
El Paso Natural Gas Co.
Transmission Operations Lab
8845 Railroad Drive
El Paso, TX
79904

Date Received: 9/18/95
Date Sampled: 9/15/95
Date Reported: 9/18/95

Laboratory No.: 95-A16975
Sample ID.: M950140 #11

Job Number: 4921

Analyte	Results	Units	Method	Analyst	Date
TOTAL METALS					
Cadmium	< 0.005	mg/L	6010/200.7	EML	9/21/95

Reviewed By :

E. J. Jorgensen

9/21/95

SEP-21-1995 16:58

TO EPNG

MPRELL

P.14

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:
El Paso Natural Gas Co.
Transmission Operations Lab
8545 Railroad Drive
El Paso, TX
79904

Date Received: 9/18/95
Date Sampled: 9/15/95
Date Reported: 9/18/95

Laboratory No.: 95-A15976
Sample ID.: M950141 #12

Job Number: 4921

Analyte	Results	Units	Method	Analyst	Date
TOTAL METALS					
Cadmium	< 0.005	mg/L	6010/200.7	EMJ.	9/21/95

Reviewed By :

Edison

9/21/95

TOTAL P.14



Page 1

Wages: \$17.33

El Paso
Natural Gas Company

OIL CONSERVATION DIVISION
RECEIVED

'91 MAY 20 AM 9 14

3801 ATRISCO, N. W.
ALBUQUERQUE, NEW MEXICO 87120
PHONE: 505-831-7700

May 17, 1991

Mr. Roger Anderson
New Mexico Oil Conservation Division
P.O. Box 2088; Land Office Building
Santa Fe, New Mexico 87504-5885

RE: Request for Discharge Permit - Hydrostatic Test Water Discharge

Dear Mr. Anderson:

El Paso Natural Gas Company respectfully requests a discharge permit for hydrostatic test water discharge as detailed by the attached information. As noted, we will be testing two parallel 30" pipelines and are planning on capturing the water from the first test and reusing it for the second. After the second test is complete, the water will be discharged to an lined pond and allowed to evaporate. The liner will then be removed, disposed of properly, and the natural grade restored.

If you have any questions, please give me a call at 505/831-7759.

Sincerely,



W. David Hall, P.E.
Senior Engineer

Attachments
WDH/rp

NEW MEXICO

HYDROSTATIC TEST INFORMATION FORM

Request Date May 17, 1991
Person Requesting W. DAVID HALL
Title SENIOR ENGINEER

A. FACILITY DESCRIPTION

1. Facility Name PLAINS TO SAN JUAN LINE & LOOP LINE (1300/1301)
2. Facility Owner EL PASO NATURAL GAS COMPANY
3. Beginning Of Test Section: End Of Test Section:
Quarter Section NW 1/4 Quarter Section NE 1/4
Section 29 Section 24
Township 9S Township 9S
Range 29E Range 28E
County CHAVES County CHAVES
Nearest City ROSWELL Nearest City ROSWELL
State NEW MEXICO State NEW MEXICO
4. Diameter Of Line 30" Total Length 18,470 Feet To Be Tested
5. Length Of Longest Test Section 9,235 (EACH LINE) (Ft)
6. Number of Test Sections TWO
7. Check Type Of Line:
Used Pipe ☒ New Pipe ☐
8. Check Pipeline Use:
Gathering ☐ Transmission ☒
9. Will The Line Be Pigged Prior To Test?
Yes ☐ No ☒
If yes, how will these fluids and/or solids be disposed? _____
10. Will the line be washed prior to test?
Yes ☐ No ☒
If yes, how will these fluids and/or solids be disposed? _____

B. TEST DESCRIPTION

1. Water Source And Location IRRIGATION WELL, GRAHAM RANCH, TATUM, N.M.
2. Test Start Date ± 6/3/91 1300 LINE ; ± 6/24/91 1301 LINE

B. TEST DESCRIPTION (Continued)

- (WATER TO BE RE-USED FOR 2ND TEST).
3. Discharge Volume Approx. 325,000 gals.
4. Check Discharge Path:
- Lined Pond ☒ 15 Mils Thickness Liner
- Unlined Pond ☐
- Pond Size 135 (Ft) By 135 (Ft)
- Other _____
5. Location Of Discharge: Quarter Section NE 1/4
Section 24
Township 9S
Range 28E
County CHAVES
Nearest City ROSWELL
State NEW MEXICO
6. Describe the geologic characteristics of the subsurface at the proposed discharge site: _____
7. Depth to groundwater at discharge location: Approx. 200'
8. Quality of groundwater at discharge location: 1,350 mg/l - Chloride
9. Depth to groundwater at collection/retention site: Approx. 200'
10. Proposed method of disposal of fluids and solids after test completion including closure of any pits: RESTORE SURFACE TO ORIGINAL CONDITION AFTER EVAPORATION OF ALL LIQUID.
11. Landowner at discharge and collection/retention site? FRATES SEELIGSON
12. Landowner adjacent to discharge and collection/retention site? _____
13. Is written permission from the landowner of the collection/retention site attached?
- Yes ☒ No ☐
- If no, please explain: _____

May 6, 1991

El Paso Natural Gas Company
Mr. G.E. Orr, Manager, Purchase Div
Right of Way Department
P.O. Box 1492
El Paso, TX 79978

Re: R/W 910126, G-2; Reconditioning of Plains - San Juan Line
& Loop from M.P. 81+4885 to M.P. 83+3560

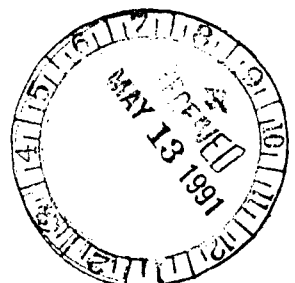
Gentlemen:

Your personnel have discussed with the undersigned herein after referred to as "Owner" the need for El Paso Natural Gas Company to use a temporary space for a dewatering pond during the captioned project.

For Three hundred + 00/100 (\$300⁰⁰) per month rent, payable in advance at the start of each month, the undersigned being in possession of the following described property in Chaves County, New Mexico, to wit:

The Southhalf of the Northeast quarter, Section 24 of Township 9
South, Range 28 East, Chaves County, New Mexico

hereby grant to El Paso Natural Gas Company, herein after referred to as "El Paso", its contractors, agents, and employees, permission to use such portion of the property for the purpose of constructing a temporary pond equivalent to an area 300 ft. by 300 ft. or approx. 2.07 acres to store test water. This rental agreement shall be for a period of 6 months beginning from the first month paid and shall be null and void after that period of 6 months. However El Paso shall only be required to pay for those months that they actually occupy the area used. El Paso will limit its activity to the area described above and the area around it as necessary in erecting a fence of smooth wire with small mesh. It is understood that upon completion of construction, the area used by El Paso shall be returned as nearly as possible to its original condition and any damages thereto shall be corrected or paid for by El Paso.



May 6, 1991

The terms, conditions, and provisions of this letter agreement shall be binding upon parties hereto, and the undersigned owner of the property warrants his ownership.

El Paso Natural Gas Company agrees to indemnify and hold harmless the undersigned Owner from any and all claims of damages to personal property or bodily injury resulting from El Paso's use of said property.

Very Truly yours,

Frates Seeligson
By *A. L. Danz*
Frates Seeligson

Accepted this 9th day of May, 1991

EL PASO NATURAL GAS COMPANY

By: *M. B. Davis*
Right-of-Way Negotiator