

HIP - 70

GENERAL CORRESPONDENCE

YEAR(S):

2001

Kieling, Martyne

From: Duarte, Ricardo[SMTP:Ricardo.Duarte@ElPaso.com]
Sent: Tuesday, June 19, 2001 1:51 PM
To: 'Kieling, Martyne'
Subject: RE: NMOCD HI 070: Belen Discharge

Martyne:

Thank you for your prompt review. Considering this outcome, EPNG will in the future seek to perform more "flushing" runs prior to introducing the hydrostatic water.

Richard

-----Original Message-----

From: Kieling, Martyne [mailto:MKieling@state.nm.us]
Sent: Friday, June 15, 2001 4:20 PM
To: 'Duarte, Ricardo'
Subject: RE: NMOCD HI 070: Belen Discharge

<<Adis0501.doc>>

Richard,

A signed copy is in the mail, you will probably receive it on Wed 20th.... I missed the mail pick up today. You can reach me on my cell 505-660-1067 if you have any questions.

> -----
> From: Duarte, Ricardo[SMTP:Ricardo.Duarte@ElPaso.com]
> Sent: Wednesday, June 13, 2001 3:39 PM
> To: Martyne Kieling (E-mail)
> Subject: NMOCD HI 070: Belen Discharge
>
> Martyne:
> As a heads up, El Paso Natural Gas Company (EPNG) has successfully
> completed
> the subject hydrostatic test and the water is currently stored in
> frac-tanks. In accordance with Condition No. 2 of the referenced
> discharge
> permit issued on May 21, 2001, EPNG is seeking your prompt review and
> authorization to discharge the water as originally proposed. The paper
> work
> is being FedExed via overnight mail to you today.
> The mailing includes the source water analytical results and the final
> de-water results. In brief, with the exception aqueous Fe+ (to be
> expected
> with the iron pipe) and some very minor increases in other aqueous metals
> and non-metals (ions), the overall quality of water was not impacted.
> There
> were no detectable semi-volatile or volatile contaminants before and after
> the test. It appears that EPNG's initial flush procedure may have
> mitigated
> the potential to introduce contaminants into the source water during the
> test.
> I look forward to hearing from the NMOCD shortly and if you have any
> questions on any of these results or you need additional information,
> please
> contact me at (505) 831-7763.
> Thank you,
> Richard 505/831-7763
>
>



JUN 14 2001

June 13, 2001

Ms. Martyne Kieling, Environmental Engineer
New Mexico Oil Conservation Division
Environmental Bureau – District 4
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Overnight Mail - FedEx
Air Bill No. 7900 7703 1214

**Re: NMOCD HI-070: Request for Discharge of Hydrostatic Test Water from EPNG's
1300 Pipeline near Belen, NM.**

Dear Ms. Kieling:

El Paso Natural Gas Company (EPNG) has successfully completed the subject hydrostatic test and the water is currently stored in frac-tanks. In accordance with Condition No. 2 of the referenced discharge permit issued on May 21, 2001, EPNG is seeking your prompt review and authorization to discharge the water as originally proposed.

Enclosed for your review are the source water analytical results and the final de-water results. In brief, with the exception aqueous Fe+ and some very minor increases in other aqueous metals and non-metals (ions), the overall quality of water was not impacted. There were no detectable semi-volatile or volatile contaminants before and after the test. It appears that EPNG's initial flush procedure may have mitigated the potential to introduce contaminants into the source water during the test.

I look forward to hearing from the NMOCD shortly and if you have any questions on any of these results or you need additional information, please contact me at (505) 831-7763.

Sincerely,

A handwritten signature in cursive script that reads "Richard Duarte".

Richard Duarte
Principal Environmental Engineer
Pipelines West – Environmental Department

SAMPLE KEY

SAMPLE NUMBER: F01-0118 LOCATION: GALLUP COMPLEX

MATRIX: WATER

SAMPLE DESCRIPTION: ~~COMPOSITE OF FRAC TANKS USED FOR HYDROSTATIC TEST~~

S D CONTINUED: 1300 LINE MP 259 TO MP 264

S D CONTINUED:

SAMPLE TIME: 12:45 SAMPLE DATE: 06/06/2001

BY: CHUCK PADILLA

NEL LABORATORIES
Reno • Las Vegas • Boise
Phoenix • Sacramento

Las Vegas Division
4208 Arcata Way, Suite A • Las Vegas, Nevada 89030
702-657-1010 • Fax: 702-657-1577
1-888-368-3282

CLIENT: El Paso Natural Gas Company
8645 Railroad Drive
El Paso, TX 79904
ATTN: Darrell Campbell

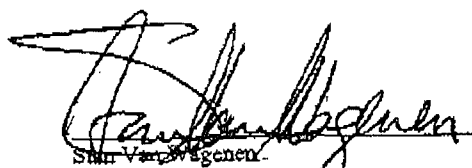
PROJECT NAME: Gallup Pipeline District
PROJECT NUMBER: NA

NEL ORDER ID: P0106014

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 6/7/01.

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


Stan Vanzwagenen
Laboratory Manager

6/13/01
Date

CERTIFICATIONS:

	<u>Reno</u>	<u>Las Vegas</u>	<u>S. California</u>
Arizona	AZ0520	AZ0518	AZ0605
California	1707	2002	2264
US Army Corps of Engineers	Certified	Certified	

	<u>Reno</u>	<u>Las Vegas</u>	<u>S. California</u>
Idaho	Certified	Certified	
Montana	Certified	Certified	
Nevada	NV033	NV052	CA084
L.A.C.S.D.			10228

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NACLIENT ID: F01-0118
DATE SAMPLED: 6/6/01
NEL SAMPLE ID: P0106014-01

TEST: Volatile Organic Compounds by EPA 8260B, December 1996

METHOD: EPA 8260

EXTRACTED: NA

MATRIX: Aqueous

ANALYZED: 6/7/01

DILUTION: 1

ANALYST: SKV - Las Vegas Division

PARAMETER	Result µg/L	Reporting Limit	PARAMETER	Result µg/L	Reporting Limit
Acetone	ND	25. µg/L	1,1-Dichloropropene	ND	5. µg/L
Benzene	ND	5. µg/L	cis-1,3-Dichloropropene	ND	5. µg/L
Bromobenzene	ND	5. µg/L	trans-1,3-Dichloropropene	ND	5. µg/L
Bromochloromethane	ND	5. µg/L	Ethylbenzene	ND	5. µg/L
Bromedichloromethane	ND	5. µg/L	Hexachlorobutadiene	ND	25. µg/L
Bromoform	ND	5. µg/L	2-Hexanone	ND	5. µg/L
Bromomethane	ND	5. µg/L	Iodomethane	ND	5. µg/L
2-Butanone	ND	25. µg/L	Isopropylbenzene	ND	5. µg/L
n-Butylbenzene	ND	5. µg/L	p-Isopropyltoluene	ND	5. µg/L
sec-Butylbenzene	ND	5. µg/L	Methylene chloride (Dichloromethane)	ND	5. µg/L
tert-Butylbenzene	ND	5. µg/L	4-Methyl-2-pentanone	ND	25. µg/L
Carbon disulfide	ND	5. µg/L	MTBE	ND	5. µg/L
Carbon tetrachloride	ND	5. µg/L	Naphthalene	ND	10. µg/L
Chlorobenzene	ND	5. µg/L	n-Propylbenzene	ND	5. µg/L
Chloroethane	ND	5. µg/L	Styrene	ND	5. µg/L
Chloroform	ND	5. µg/L	1,1,1,2-Tetrachloroethane	ND	5. µg/L
Chloromethane	ND	5. µg/L	1,1,2,2-Tetrachloroethane	ND	5. µg/L
2-Chlorotoluene	ND	5. µg/L	Tetrachloroethene (PCE)	ND	5. µg/L
4-Chlorotoluene	ND	5. µg/L	Toluene	ND	5. µg/L
Dibromochloromethane	ND	5. µg/L	1,2,3-Trichlorobenzene	ND	5. µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	10. µg/L	1,2,4-Trichlorobenzene	ND	5. µg/L
1,2-Dibromoethane (BDE)	ND	5. µg/L	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5. µg/L
Dibromomethane	ND	5. µg/L	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5. µg/L
1,2-Dichlorobenzene (o-DCB)	ND	5. µg/L	Trichloroethene (TCE)	ND	5. µg/L
1,3-Dichlorobenzene (m-DCB)	ND	5. µg/L	Trichlorofluoromethane (Freon 11)	ND	10. µg/L
1,4-Dichlorobenzene (p-DCB)	ND	5. µg/L	1,2,3-Trichloropropane	ND	5. µg/L
Dichlorodifluoromethane (Freon 12)	ND	5. µg/L	1,2,4-Trimethylbenzene	ND	5. µg/L
1,1-Dichloroethane (1,1-DCA)	ND	5. µg/L	1,3,5-Trimethylbenzene	ND	5. µg/L
1,2-Dichloroethane (1,2-DCA)	ND	5. µg/L	Vinyl chloride	ND	5. µg/L
1,1-Dichloroethene (1,1-DCE)	ND	5. µg/L	o-Xylene	ND	5. µg/L
cis-1,2-Dichloroethene	ND	5. µg/L	m,p-Xylene	ND	10. µg/L
trans-1,2-Dichloroethene	ND	5. µg/L			
1,2-Dichloropropane	ND	5. µg/L			
1,3-Dichloropropane	ND	5. µg/L			
2,2-Dichloropropane	ND	10. µg/L			

QUALITY CONTROL DATA:

Surrogate

% Recovery

Acceptable Range

4-Bromofluorobenzene
Dibromofluoromethane
Toluene-d890
104
10276 - 111
88 - 114
95 - 108

ND - Not Detected

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

2

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA

CLIENT ID: F01-0118
DATE SAMPLED: 6/6/01
NEL SAMPLE ID: P0106014-01

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
METHOD: EPA 8270
MATRIX: Aqueous
DILUTION: 1

EXTRACTED: 6/8/01
ANALYZED: 6/11/01
ANALYST: SNB - Division

PARAMETER	Result µg/L	Reporting Limit	PARAMETER	Result µg/L	Reporting Limit
Azobenzene	ND	10. µg/L	4,6-Dinitro-2-methyl phenol	ND	50. µg/L
Acenaphthene	ND	10. µg/L	2,4-Dinitrotoluene (DNT)	ND	10. µg/L
Acenaphthylene	ND	10. µg/L	2,6-Dinitrotoluene (DNT)	ND	10. µg/L
Anthracene	ND	10. µg/L	2,4-Dinitrophenol	ND	50. µg/L
Benzo (a) anthracene	ND	10. µg/L	Di-n-octyl phthalate	ND	10. µg/L
Aniline	ND	10. µg/L	Fluoranthene	ND	10. µg/L
Benzo (b,k) fluoranthene	ND	10. µg/L	Fluorene	ND	5. µg/L
Benzoic Acid	ND	50. µg/L	Hexachlorobenzene	ND	5. µg/L
Benzo (g,h,i) perylene	ND	10. µg/L	Hexachlorobutadiene	ND	10. µg/L
Benzo (a) pyrene	ND	10. µg/L	Hexachlorocyclopentadiene	ND	10. µg/L
Benzyl alcohol	ND	20. µg/L	Hexachloroethane	ND	10. µg/L
bis (2-Chloroethyl) ether	ND	10. µg/L	Indeno (1,2,3-c,d) pyrene	ND	10. µg/L
bis (2-chloroisopropyl) ether	ND	10. µg/L	Isophorone	ND	10. µg/L
bis (2-Chloroethoxy) methane	ND	10. µg/L	2-Methylnaphthalene	ND	10. µg/L
bis (2-Ethylhexyl)phthalate	ND	10. µg/L	2-Methylphenol	ND	10. µg/L
Butylbenzylphthalate	ND	10. µg/L	4-Methylphenol	ND	10. µg/L
4-Bromophenyl phenyl ether	ND	10. µg/L	Naphthalene	ND	50. µg/L
Carbazole	ND	10. µg/L	2-Nitroaniline	ND	50. µg/L
4-Chloroaniline	ND	20. µg/L	3-Nitroaniline	ND	20. µg/L
4-Chloro-3-methyl phenol	ND	20. µg/L	4-Nitroaniline	ND	10. µg/L
2-Chloronaphthalene	ND	10. µg/L	Nitrobenzene	ND	10. µg/L
2-Chlorophenol	ND	10. µg/L	2-Nitrophenol	ND	50. µg/L
4-Chlorophenyl phenyl ether	ND	10. µg/L	4-Nitrophenol	ND	10. µg/L
Chrysene	ND	10. µg/L	N-Nitrosodi-n-propylamine	ND	10. µg/L
Dibenzo (a,h) anthracene	ND	10. µg/L	N-Nitroso-Dimethylamine	ND	10. µg/L
Dibenzofuran	ND	10. µg/L	N-Nitrosodiphenylamine	ND	50. µg/L
Di-n-butyl phthalate	ND	10. µg/L	Pentachlorophenol	ND	10. µg/L
1,2-Dichlorobenzene (o-DCB)	ND	10. µg/L	Phenol	ND	10. µg/L
1,3-Dichlorobenzene (m-DCB)	ND	10. µg/L	Phenanthrene	ND	10. µg/L
1,4-Dichlorobenzene (p-DCB)	ND	10. µg/L	Pyrene	ND	10. µg/L
2,4-Dichlorophenol	ND	20. µg/L	Pyridine	ND	10. µg/L
3,3'-Dichlorobenzidine	ND	10. µg/L	1,2,4-Trichlorobenzene	ND	10. µg/L
Diethylphthalate	ND	10. µg/L	2,4,5-Trichlorophenol	ND	10. µg/L
2,4-Dimethylphenol	ND	10. µg/L	2,4,6-Trichlorophenol	ND	10. µg/L
Dimethylphthalate	ND	10. µg/L			

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	31	0 - 161
2-Fluorobiphenyl	17	16 - 127
2-Fluorophenol	18	0 - 88
Nitrobenzene-d5	16	9 - 132
p-Terphenyl-d14	23	16 - 163
Phenol-d5	14	0 - 63

ND - Not Detected

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

3

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA

CLIENT ID: Trip Blank
DATE SAMPLED: 6/5/01
NEL SAMPLE ID: P0106014-02

TEST: Volatile Organic Compounds by EPA 8260B, December 1996

METHOD: EPA 8260

EXTRACTED: NA

MATRIX: Aqueous

ANALYZED: 6/7/01

DILUTION: 1

ANALYST: SKV - Las Vegas Division

PARAMETER	Result µg/L	Reporting Limit	PARAMETER	Result µg/L	Reporting Limit
Acetone	ND	25. µg/L	1,1-Dichloropropene	ND	5. µg/L
Benzene	ND	5. µg/L	cis-1,3-Dichloropropene	ND	5. µg/L
Bromobenzene	ND	5. µg/L	trans-1,3-Dichloropropene	ND	5. µg/L
Bromochloromethane	ND	5. µg/L	Ethylbenzene	ND	5. µg/L
Bromodichloromethane	ND	5. µg/L	Hexachlorobutadiene	ND	5. µg/L
Bromoforn	ND	5. µg/L	2-Hexanone	ND	25. µg/L
Bromomethane	ND	5. µg/L	Iodomethane	ND	5. µg/L
2-Butanone	ND	25. µg/L	Isopropylbenzene	ND	5. µg/L
n-Butylbenzene	ND	5. µg/L	p-Isopropyltoluene	ND	5. µg/L
sec-Butylbenzene	ND	5. µg/L	Methylene chloride (Dichloromethane)	ND	5. µg/L
tert-Butylbenzene	ND	5. µg/L	4-Methyl-2-pentanone	ND	25. µg/L
Carbon disulfide	ND	5. µg/L	MTBE	ND	5. µg/L
Carbon tetrachloride	ND	5. µg/L	Naphthalene	ND	10. µg/L
Chlorobenzene	ND	5. µg/L	n-Propylbenzene	ND	5. µg/L
Chloroethane	ND	5. µg/L	Styrene	ND	5. µg/L
Chloroform	ND	5. µg/L	1,1,1,2-Tetrachloroethane	ND	5. µg/L
Chloromethane	ND	5. µg/L	1,1,2,2-Tetrachloroethane	ND	5. µg/L
2-Chlorotoluene	ND	5. µg/L	Tetrachloroethene (PCE)	ND	5. µg/L
4-Chlorotoluene	ND	5. µg/L	Toluene	ND	5. µg/L
Dibromochloromethane	ND	5. µg/L	1,2,3-Trichlorobenzene	ND	5. µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	10. µg/L	1,2,4-Trichlorobenzene	ND	5. µg/L
1,2-Dibromoothane (EDB)	ND	5. µg/L	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5. µg/L
Dibromomethane	ND	5. µg/L	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5. µg/L
1,2-Dichlorobenzene (o-DCB)	ND	5. µg/L	Trichloroethene (TCE)	ND	5. µg/L
1,3-Dichlorobenzene (m-DCB)	ND	5. µg/L	Trichlorofluoromethane (Freon 11)	ND	10. µg/L
1,4-Dichlorobenzene (p-DCB)	ND	5. µg/L	1,2,3-Trichloropropane	ND	5. µg/L
Dichlorodifluoromethane (Freon 12)	ND	5. µg/L	1,2,4-Trimethylbenzene	ND	5. µg/L
1,1-Dichloroethane (1,1-DCA)	ND	5. µg/L	1,3,5-Trimethylbenzene	ND	5. µg/L
1,2-Dichloroethane (1,2-DCA)	ND	5. µg/L	Vinyl chloride	ND	5. µg/L
1,1-Dichloroethene (1,1-DCE)	ND	5. µg/L	o-Xylene	ND	5. µg/L
cis-1,2-Dichloroethene	ND	5. µg/L	m,p-Xylene	ND	10. µg/L
trans-1,2-Dichloroethene	ND	5. µg/L			
1,2-Dichloropropane	ND	5. µg/L			
1,3-Dichloropropane	ND	5. µg/L			
2,3-Dichloropropane	ND	10. µg/L			

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	93	76 - 111
Dibromofluoromethane	102	88 - 114
Toluene-d8	103	95 - 108

ND - Not Detected

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

4

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Galhup Pipeline District
PROJECT #: NA
TEST: Volatile Organic Compounds by EPA 8260B, December 1996
METHOD: EPA 8260
MATRIX: Aqueous

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010607AQ60_2B-BLK
ANALYST: SKV - Las Vegas Division
EXTRACTED: NA
ANALYZED: 6/7/01

PARAMETER	Result µg/L	Reporting Limit	PARAMETER	Result µg/L	Reporting Limit
Acetone	ND	25 µg/L	1,3-Dichloropropane	ND	5 µg/L
Benzene	ND	5 µg/L	2,2-Dichloropropane	ND	10 µg/L
Bromobenzene	ND	5 µg/L	1,1-Dichloropropene	ND	5 µg/L
Bromochloromethane	ND	5 µg/L	cis-1,3-Dichloropropene	ND	5 µg/L
Bromodichloromethane	ND	5 µg/L	trans-1,3-Dichloropropene	ND	5 µg/L
Bromoform	ND	5 µg/L	Ethylbenzene	ND	5 µg/L
Bromomethane	ND	5 µg/L	Hexachlorobutadiene	ND	5 µg/L
2-Butanone	ND	25 µg/L	2-Hexanone	ND	25 µg/L
n-Butylbenzene	ND	5 µg/L	Iodomethane	ND	5 µg/L
sec-Butylbenzene	ND	5 µg/L	Isopropylbenzene	ND	5 µg/L
tert-Butylbenzene	ND	5 µg/L	p-Isopropyltoluene	ND	5 µg/L
Carbon disulfide	ND	5 µg/L	Methylene chloride (Dichloromethane)	ND	5 µg/L
Carbon tetrachloride	ND	5 µg/L	4-Methyl-2-pentanone	ND	25 µg/L
Chlorobenzene	ND	5 µg/L	MTBE	ND	5 µg/L
Chloroethane	ND	5 µg/L	Naphthalene	ND	10 µg/L
Chloroform	ND	5 µg/L	n-Propylbenzene	ND	5 µg/L
Chloromethane	ND	5 µg/L	Styrene	ND	5 µg/L
2-Chlorotoluene	ND	5 µg/L	1,1,1,2-Tetrachloroethane	ND	5 µg/L
4-Chlorotoluene	ND	5 µg/L	1,1,2,2-Tetrachloroethane	ND	5 µg/L
Dibromochloromethane	ND	5 µg/L	Tetrachloroethene (PCE)	ND	5 µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	10 µg/L	Toluene	ND	5 µg/L
1,2-Dibromoethane (EDB)	ND	5 µg/L	1,2,3-Trichlorobenzene	ND	5 µg/L
Dibromomethane	ND	5 µg/L	1,2,4-Trichlorobenzene	ND	5 µg/L
1,2-Dichlorobenzene (o-DCB)	ND	5 µg/L	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5 µg/L
1,3-Dichlorobenzene (m-DCB)	ND	5 µg/L	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5 µg/L
1,4-Dichlorobenzene (p-DCB)	ND	5 µg/L	Trichloroethene (TCE)	ND	5 µg/L
Dichlorodifluoromethane (Freon 12)	ND	5 µg/L	Trichlorofluoromethane (Freon 11)	ND	10 µg/L
1,1-Dichloroethane (1,1-DCA)	ND	5 µg/L	1,2,3-Trichloropropene	ND	5 µg/L
1,2-Dichloroethane (1,2-DCA)	ND	5 µg/L	1,2,4-Trimethylbenzene	ND	5 µg/L
1,1-Dichloroethene (1,1-DCE)	ND	5 µg/L	1,3,5-Trimethylbenzene	ND	5 µg/L
cis-1,2-Dichloroethene	ND	5 µg/L	Vinyl chloride	ND	5 µg/L
trans-1,2-Dichloroethene	ND	5 µg/L	o-Xylene	ND	5 µg/L
1,2-Dichloropropane	ND	5 µg/L	m,p-Xylene	ND	10 µg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
4-Bromofluorobenzene	106	76 - 111
Dibromofluoromethane	99	88 - 114
Toluene-d8	101	95 - 108

ND - Not Detected

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

5

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA
TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
METHOD: EPA 8270
MATRIX: Aqueous

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 0608E2 8270-BLK
ANALYST: SNB - Division
EXTRACTED: 6/8/01
ANALYZED: 6/11/01

PARAMETER	Result µg/L	Reporting Limit	PARAMETER	Result µg/L	Reporting Limit
Acenaphthene	ND	10 µg/L	2,4-Dimethylphenol	ND	10 µg/L
Acenaphthylene	ND	10 µg/L	Dimethylphthalate	ND	10 µg/L
Aniline	ND	10 µg/L	4,6-Dinitro-2-methyl phenol	ND	50 µg/L
Anthracene	ND	10 µg/L	2,4-Dinitrotoluene (DNT)	ND	10 µg/L
Azobenzene	ND	10 µg/L	2,6-Dinitrotoluene (DNT)	ND	10 µg/L
Benzo (a) anthracene	ND	10 µg/L	2,4-Dinitrophenol	ND	50 µg/L
Benzo (b&k) fluoranthene	ND	10 µg/L	Di-n-octyl phthalate	ND	10 µg/L
Benzoic Acid	ND	50 µg/L	Fluoranthene	ND	10 µg/L
Benzo (g,h,i) perylene	ND	10 µg/L	Fluorene	ND	10 µg/L
Benzo (a) pyrene	ND	10 µg/L	Hexachlorobenzene	ND	5 µg/L
Benzyl alcohol	ND	20 µg/L	Hexachlorobutadiene	ND	5 µg/L
bis (2-Chloroethyl) ether	ND	10 µg/L	Hexachlorocyclopentadiene	ND	10 µg/L
bis (2-Chloroethoxy) methane	ND	10 µg/L	Hexachlorocyclohexane	ND	10 µg/L
bis (2-chloroisopropyl) ether	ND	10 µg/L	Indeno (1,2,3-c,d) pyrene	ND	10 µg/L
bis (2-Ethylhexyl)phthalate	ND	10 µg/L	Isophorone	ND	10 µg/L
Butylbenzylphthalate	ND	10 µg/L	2-Methylnaphthalene	ND	10 µg/L
4-Bromophenyl phenyl ether	ND	10 µg/L	2-Methylphenol	ND	10 µg/L
4-Chloroaniline	ND	20 µg/L	4-Methylphenol	ND	10 µg/L
Carbazole	ND	10 µg/L	Naphthalene	ND	10 µg/L
4-Chloro-3-methyl phenol	ND	20 µg/L	2-Nitroaniline	ND	50 µg/L
2-Chloronaphthalene	ND	10 µg/L	3-Nitroaniline	ND	50 µg/L
2-Chlorophenol	ND	10 µg/L	4-Nitroaniline	ND	20 µg/L
4-Chlorophenyl phenyl ether	ND	10 µg/L	Nitrobenzene	ND	10 µg/L
Chrysene	ND	10 µg/L	2-Nitrophenol	ND	10 µg/L
Dibenzo (a,h) anthracene	ND	10 µg/L	4-Nitrophenol	ND	50 µg/L
Dibenzofuran	ND	10 µg/L	N-Nitrosodi-n-propylamine	ND	10 µg/L
Di-n-butyl phthalate	ND	10 µg/L	N-Nitroso-Dimethylamine	ND	10 µg/L
1,2-Dichlorobenzene (o-DCB)	ND	10 µg/L	N-Nitrosodiphenylamine	ND	10 µg/L
1,3-Dichlorobenzene (m-DCB)	ND	10 µg/L	Pentachlorophenol	ND	50 µg/L
1,4-Dichlorobenzene (p-DCB)	ND	10 µg/L	Phenol	ND	10 µg/L
2,4-Dichlorophenol	ND	10 µg/L	Phenanthrene	ND	10 µg/L
3,3'-Dichlorobenzidine	ND	20 µg/L	Pyrene	ND	10 µg/L
Diethylphthalate	ND	10 µg/L	1,2,4-Trichlorobenzene	ND	10 µg/L

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	33	0 - 161
2-Fluorobiphenyl	15	16 - 127
2-Fluorophenol	15	0 - 88
Nitrobenzene-d5	16	9 - 132
p-Terphenyl-d14	28	16 - 163
Phenol-d5	11	0 - 63

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 Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA

CLIENT ID: F01-0118
DATE SAMPLED: 6/6/01
NEL SAMPLE ID: P0106014-01

TEST: Metals
MATRIX: Aqueous

ANALYST: FRM - Reno Division

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	6/7/01	6/8/01
Barium	0.19	0.005 mg/L	1	EPA 6010	6/7/01	6/8/01
Boron	0.26	0.1 mg/L	1	EPA 6010	6/7/01	6/8/01
Cadmium	ND	0.01 mg/L	1	EPA 6010	6/7/01	6/8/01
Calcium	25	0.5 mg/L	1	EPA 6010	6/7/01	6/8/01
Chromium	ND	0.01 mg/L	1	EPA 6010	6/7/01	6/8/01
Copper	0.018	0.005 mg/L	1	EPA 6010	6/7/01	6/8/01
Iron	4.2	0.1 mg/L	1	EPA 6010	6/7/01	6/8/01
Lead	ND	0.05 mg/L	1	EPA 6010	6/7/01	6/8/01
Magnesium	9.2	0.5 mg/L	1	EPA 6010	6/7/01	6/8/01
Manganese	0.16	0.005 mg/L	1	EPA 6010	6/7/01	6/8/01
Mercury	ND	0.0002 mg/L	1	EPA 7470A	6/7/01	6/7/01
Potassium	7.1	2. mg/L	1	EPA 6010	6/7/01	6/8/01
Selenium	ND	0.1 mg/L	1	EPA 6010	6/7/01	6/8/01
Silica	16	0.05 mg/L	1	EPA 6020	NA	6/8/01
Silver	ND	0.02 mg/L	1	EPA 6010	6/7/01	6/8/01
Sodium	116	0.5 mg/L	1	EPA 6010	6/7/01	6/8/01
Zinc	ND	0.1 mg/L	1	EPA 6010	6/7/01	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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

7

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: L06019-Hg-BLK

TEST: Metals

<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	0.0002 mg/L	1	EPA 7470A	6/7/01	6/7/01

D.F. - Dilution Factor

ND - Not Detected

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

8

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: P06014M-Si-BLK

TEST: Metals

<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>
Silica	ND	0.05 mg/L	1	EPA 6020	NA	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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

9

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA
TEST: Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: P6014L-BLK

PARAMETER	RESULT mg/L	REPORTING LIMIT	D. F.	METHOD	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	6/7/01	6/8/01
Barium	ND	0.005 mg/L	1	EPA 6010	6/7/01	6/8/01
Boron	ND	0.1 mg/L	1	EPA 6010	6/7/01	6/8/01
Cadmium	ND	0.01 mg/L	1	EPA 6010	6/7/01	6/8/01
Calcium	ND	0.5 mg/L	1	EPA 6010	6/7/01	6/8/01
Chromium	ND	0.01 mg/L	1	EPA 6010	6/7/01	6/8/01
Copper	ND	0.005 mg/L	1	EPA 6010	6/7/01	6/8/01
Iron	ND	0.1 mg/L	1	EPA 6010	6/7/01	6/8/01
Lead	ND	0.05 mg/L	1	EPA 6010	6/7/01	6/8/01
Magnesium	ND	0.5 mg/L	1	EPA 6010	6/7/01	6/8/01
Manganese	ND	0.005 mg/L	1	EPA 6010	6/7/01	6/8/01
Potassium	ND	2. mg/L	1	EPA 6010	6/7/01	6/8/01
Selenium	ND	0.1 mg/L	1	EPA 6010	6/7/01	6/8/01
Silver	ND	0.02 mg/L	1	EPA 6010	6/7/01	6/8/01
Sodium	ND	0.5 mg/L	1	EPA 6010	6/7/01	6/8/01
Zinc	ND	0.1 mg/L	1	EPA 6010	6/7/01	6/8/01

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 Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA

CLIENT ID: F01-0118
DATE SAMPLED: 6/6/01
NEL SAMPLE ID: P0106014-01

TEST: Inorganic Non-Metals
MATRIX: Aqueous

PARAMETER	RESULT	R.L.	D.F.	METHOD	UNITS	ANALYZED
Alkalinity - Bicarbonate as CaCO ₃	130		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO ₃	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO ₃	130	25.	1	SM 2320 B	mg/L	6/11/01
Bromide	0.19	0.2	1	EPA 300.0	mg/L	6/7/01
Chloride	68	20.	200	EPA 300.0	mg/L	6/7/01
Fluoride	1.2	0.4	1	SM 4500-F C	mg/L	6/11/01
Hardness, Total (as CaCO ₃)	100	2.	1	EPA 200.7	mg/L	6/8/01
Nitrate, as N	1.0	0.1	1	EPA 300.0	mg/L-N	6/7/01
pH	7.76	2.	1	EPA 150.1	pH Units	6/7/01
pH Temperature	24.9	1.	1	EPA 150.1	°C	6/7/01
Specific Conductance	755	1.	1	SM 2510 B	µS/cm	6/11/01
Sulfate	160	10.	100	EPA 300.0	mg/L	6/12/01
Total Dissolved Solids	492	15.	1	SM 2540 C	mg/L	6/8/01
TRPH	3.9	2.	1	EPA 418.1	mg/L	6/12/01
Turbidity	53	0.05	1	SM 2130 B	ntu	6/8/01

R.L. - Reporting Limit

D.F. - Dilution Factor

ND - Not Detected

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

11

06-13-01 10:42 TO:OSD LABORATORY SERVICES

FROM:702 657 1577

P12

06-13-01 12:09

RECEIVED FROM:915 587 3835

P.13

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010607BR-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D.F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Bromide	ND	0.2	1	EPA 300.0	mg/L	6/7/01

D.F. - Dilution Factor

ND - Not Detected

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

12

06-13-01 10:42 TO: OSD LABORATORY SERVICES

FROM: 702 657 1577

P13

06-13-01 12:09

RECEIVED FROM: 915 587 3835

P.14

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010607CL-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Chloride	ND	0.1	1	EPA 300.0	mg/L	6/7/01

D.F. - Dilution Factor

ND - Not Detected

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

13

06-13-01 10:42 TO:OSD LABORATORY SERVICES

FROM:702 657 1577

P14

06-13-01 12:10

RECEIVED FROM:915 587 3835

P.15

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010607NQ3-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Nitrate, as N	ND	0.1	1	EPA 300.0	mg/L-N	6/7/01

D.F. - Dilution Factor

ND - Not Detected

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

14

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010608TDS-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Total Dissolved Solids	ND	15	1	SM 2540 C	mg/L	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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

15

06-13-01 10:42 TO:OSD LABORATORY SERVICES

FROM:702 557 1577

P16

06-13-01 12:10

RECEIVED FROM:915 587 3835

P.17

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010608TURB-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D.F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Turbidity	ND	0.05	1	SM 2130 B	NTU	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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

16

06-13-01 10:42 TO: OSD LABORATORY SERVICES

FROM: 702 657 1577

P17

06-13-01 12:10

RECEIVED FROM: 915 587 3835

P.18

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010611ALK2-BLK

<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 as CaC	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Carbonate as CaCO	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity - Hydroxide as CaCO	ND		1	SM 2320 B	mg/L	6/11/01
Alkalinity, Total as CaCO3	ND	25	1	SM 2320 B	mg/L	6/11/01

D.F. - Dilution Factor

ND - Not Detected

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

17

06-13-01 10:42 TO:OSD LABORATORY SERVICES

FROM:702 657 1577

P18

06-13-01 12:10

RECEIVED FROM:915 587 3835

P.19

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010612SO4-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Sulfate	ND	0.1	1	EPA 300.0	mg/L	6/12/01

D.F. - Dilution Factor

ND - Not Detected

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

18

NEL LABORATORIES

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: NA
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010612TRPH-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D.F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
TRPH	ND	2	1	EPA 418.1	mg/L	6/12/01

D.F. - Dilution Factor

ND - Not Detected

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

19

**EL PASO
NATURAL GAS**

Doc 4/12/01

CHAIN OF CUSTODY RECORD

4109000

Page 4 of 4

CONTRACT LABORATORY

A.E.L. Dec 1895

RESULTS

[illegible]

SAMPLE KEY

SAMPLE NUMBER: F01-0117 LOCATION: GALLUP COMPLEX

MATRIX: WATER

SAMPLE DESCRIPTION: SOURCE WATER FOR 1300-LINE HYDROSTATIC TEST

S D CONTINUED: ~~WATER IS FROM THE CITY OF BELEN~~

S D CONTINUED: HYDROSTATIC TEST IS MP 259 TO MP 264

SAMPLE TIME: 13:10 SAMPLE DATE: 05/30/2001

BY: CHUCK PADILLA

NEL LABORATORIES

Reno • Las Vegas • Boise
Phoenix • Sacramento

Las Vegas Division
4208 Arcata Way, Suite A • Las Vegas, Nevada 89030
702-657-1010 • Fax: 702-657-1577
1-888-388-3282

CLIENT: El Paso Natural Gas Company
8645 Railroad Drive
El Paso, TX 79904
ATTN: Darrell Campbell

PROJECT NAME: Gallup Pipeline District
PROJECT NUMBER: 1300 Line

NEL ORDER ID: P0105052

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 5/31/01.

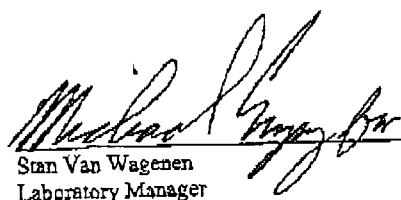
Should you have any questions or comments, please feel free to contact our Client Services department at (502) 437-0099.

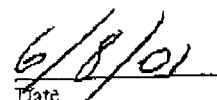
Some QA results have been flagged as follows:

- C - Sample concentration is a least 5 times greater than spike contribution. Spike recovery criteria do not apply.
- II - The batch MS and/or MSD were outside acceptance limits. The batch LCS was acceptable.

Some surrogate results have been flagged as follows:

- Sf - This surrogate was outside acceptance limits.


Stan Van Wagenen
Laboratory Manager


Date

CERTIFICATIONS:

	Reno	Las Vegas	S. California
Arizona	AZ0520	AZ0518	AZ0605
California	1707	2002	2264
US Army Corps of Engineers	Certified	Certified	

	Reno	Las Vegas	S. California
Idaho	Certified	Certified	
Montana	Certified	Certified	
Nevada	NV033	NV052	CA084
L.A.C.S.D.			10228

06-08-01 18:14 TO:OSD LABORATORY SERVICES

FROM:702 657 1577

P02

06-13-01 12:49

RECEIVED FROM:915 587 3835

P.03

JUN-08-2001 FRI 08:15 PM NEL LABORATORIES

FAX NO. 702 657 1577

P. 04/34

CLIENT: El Paso Natural Gas Company
 PROJECT ID: Gallup Pipeline District
 PROJECT #: 1300 Line

CLIENT ID: F01-0117
 DATE SAMPLED: 5/30/01
 NEL SAMPLE ID: P0105052-01

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996

METHOD: EPA 8270

EXTRACTED: 6/4/01

MATRIX: Aqueous

ANALYZED: 6/8/01

DILUTION: 1

ANALYST: SNB - Division

PARAMETER	Result µg/L	Reporting Limit	PARAMETER	Result µg/L	Reporting Limit
Azobenzene	ND	10. µg/L	4,6-Dinitro-2-methyl phenol	ND	50. µg/L
Acenaphthene	ND	10. µg/L	2,4-Dinitrotoluene (DNT)	ND	10. µg/L
Acenaphthylene	ND	10. µg/L	2,6-Dinitrotoluene (DNT)	ND	10. µg/L
Anthracene	ND	10. µg/L	2,4-Dinitrophenol	ND	50. µg/L
Benzo (a) anthracene	ND	10. µg/L	Di-n-octyl phthalate	ND	10. µg/L
Aniline	ND	10. µg/L	Fluoranthene	ND	10. µg/L
Benzo (b&k) fluoranthene	ND	10. µg/L	Fluorene	ND	10. µg/L
Benzoic Acid	ND	50. µg/L	Hexachlorobenzene	ND	5. µg/L
Benzo (g,h,i) perylene	ND	10. µg/L	Hexachlorobutadiene	ND	5. µg/L
Benzo (a) pyrene	ND	10. µg/L	Hexachlorocyclopentadiene	ND	10. µg/L
Benzyl alcohol	ND	20. µg/L	Hexachloroethane	ND	10. µg/L
bis (2-Chloroethyl) ether	ND	10. µg/L	Indeno (1,2,3-c,d) pyrene	ND	10. µg/L
bis (2-chloroisopropyl) ether	ND	10. µg/L	Isophorone	ND	10. µg/L
bis (2-Chloroethoxy) methane	ND	10. µg/L	2-Methylnaphthalene	ND	10. µg/L
bis (2-Ethylhexyl)phthalate	ND	10. µg/L	2-Methylphenol	ND	10. µg/L
Butylbenzylphthalate	ND	10. µg/L	4-Methylphenol	ND	10. µg/L
4-Bromophenyl phenyl ether	ND	10. µg/L	Naphthalene	ND	10. µg/L
Carbazole	ND	10. µg/L	2-Nitroaniline	ND	50. µg/L
4-Chloroaniline	ND	20. µg/L	3-Nitroaniline	ND	50. µg/L
4-Chloro-3-methyl phenol	ND	20. µg/L	4-Nitroaniline	ND	20. µg/L
2-Chloronaphthalene	ND	10. µg/L	Nitrobenzene	ND	10. µg/L
2-Chlorophenol	ND	10. µg/L	2-Nitrophenol	ND	10. µg/L
4-Chlorophenyl phenyl ether	ND	10. µg/L	4-Nitrophenol	ND	50. µg/L
Chrysene	ND	10. µg/L	N-Nitrosodi-n-propylamine	ND	10. µg/L
Dibenzo (a,h) anthracene	ND	10. µg/L	N-Nitroso-Dimethylamine	ND	10. µg/L
Dibenzofuran	ND	10. µg/L	N-Nitrosodiphenylamine	ND	10. µg/L
Di-n-butyl phthalate	ND	10. µg/L	Pentachlorophenol	ND	50. µg/L
1,2-Dichlorobenzene (o-DCB)	ND	10. µg/L	Phenol	ND	10. µg/L
1,3-Dichlorobenzene (m-DCB)	ND	10. µg/L	Phenanthrene	ND	10. µg/L
1,4-Dichlorobenzene (p-DCB)	ND	10. µg/L	Pyrene	ND	10. µg/L
2,4-Dichlorophenol	ND	10. µg/L	Pyridine	ND	10. µg/L
3,3'-Dichlorobenzidine	ND	20. µg/L	1,2,4-Trichlorobenzene	ND	10. µg/L
Diethylphthalate	ND	10. µg/L	2,4,5-Trichlorophenol	ND	10. µg/L
2,4-Dimethylphenol	ND	10. µg/L	2,4,6-Trichlorophenol	ND	10. µg/L
Dimethylphthalate	ND	10. µg/L			

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	86	0 - 161
2-Fluorobiphenyl	96	16 - 127
2-Fluorophenol	20	0 - 88
Nitrobenzene-d5	95	9 - 132
p-Terphenyl-d14	150	16 - 163
Phenol-d5	8	0 - 63

ND - Not Detected

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

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line

CLIENT ID: Trip Blank
DATE SAMPLED: 5/29/01
NEL SAMPLE ID: P0105052-02

TEST: Volatile Organic Compounds by EPA 8260B, December 1996
METHOD: EPA 8260
MATRIX: Aqueous
DILUTION: 1

EXTRACTED: NA
ANALYZED: 6/1/01
ANALYST: DMH - Las Vegas Division

PARAMETER	Result µg/L	Reporting Limit	PARAMETER	Result µg/L	Reporting Limit
Acetone	ND	25. µg/L	1,1-Dichloropropene	ND	5. µg/L
Benzene	ND	5. µg/L	cis-1,3-Dichloropropene	ND	5. µg/L
Bromobenzene	ND	5. µg/L	trans-1,3-Dichloropropene	ND	5. µg/L
Bromochloromethane	ND	5. µg/L	Ethylbenzene	ND	5. µg/L
Bromodichloromethane	ND	5. µg/L	Hexachlorobutadiene	ND	5. µg/L
Bromoform	ND	5. µg/L	2-Hexanone	ND	25. µg/L
Bromomethane	ND	5. µg/L	Iodomethane	ND	5. µg/L
2-Butanone	ND	25. µg/L	Isopropylbenzene	ND	5. µg/L
n-Butylbenzene	ND	5. µg/L	p-Isopropyltoluene	ND	5. µg/L
sec-Butylbenzene	ND	5. µg/L	Methylene chloride (Dichloromethane)	6.4	5. µg/L
tert-Butylbenzene	ND	5. µg/L	4-Methyl-2-pentanone	ND	25. µg/L
Carbon disulfide	ND	5. µg/L	MTBE	ND	5. µg/L
Carbon tetrachloride	ND	5. µg/L	Naphthalene	ND	10. µg/L
Chlorobenzene	ND	5. µg/L	n-Propylbenzene	ND	5. µg/L
Chloroethane	ND	5. µg/L	Styrene	ND	5. µg/L
Chloroform	ND	5. µg/L	1,1,1,2-Tetrachloroethane	ND	5. µg/L
Chloromethane	ND	5. µg/L	1,1,2,2-Tetrachloroethane	ND	5. µg/L
2-Chlorotoluene	ND	5. µg/L	Tetrachloroethene (PCE)	ND	5. µg/L
4-Chlorotoluene	ND	5. µg/L	Toluene	ND	5. µg/L
Dibromochloromethane	ND	5. µg/L	1,2,3-Trichlorobenzene	ND	5. µg/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	10. µg/L	1,2,4-Trichlorobenzene	ND	5. µg/L
1,2-Dibromoethane (EDB)	ND	5. µg/L	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5. µg/L
Dibromomethane	ND	5. µg/L	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5. µg/L
1,2-Dichlorobenzene (o-DCB)	ND	5. µg/L	Trichloroethene (TCE)	ND	5. µg/L
1,3-Dichlorobenzene (m-DCB)	ND	5. µg/L	Trichlorofluoromethane (Freon 11)	ND	10. µg/L
1,4-Dichlorobenzene (p-DCB)	ND	5. µg/L	1,2,3-Trichloropropane	ND	5. µg/L
Dichlorodifluoromethane (Freon 12)	ND	5. µg/L	1,2,4-Trimethylbenzene	ND	5. µg/L
1,1-Dichloroethane (1,1-DCA)	ND	5. µg/L	1,3,5-Trimethylbenzene	ND	5. µg/L
1,2-Dichloroethane (1,2-DCA)	ND	5. µg/L	Vinyl chloride	ND	5. µg/L
1,1-Dichloroethene (1,1-DCE)	ND	5. µg/L	o-Xylene	ND	5. µg/L
cis-1,2-Dichloroethene	ND	5. µg/L	m,p-Xylene	ND	10. µg/L
trans-1,2-Dichloroethene	ND	5. µg/L			
1,2-Dichloropropane	ND	5. µg/L			
1,3-Dichloropropane	ND	5. µg/L			
2,2-Dichloropropane	ND	10. µg/L			

QUALITY CONTROL DATA:

Surrogate

4-Bromofluorobenzene
Dibromofluoromethane
Toluene-d8

% Recovery

101
103
99

Acceptable Range

83 - 112
78 - 109
88 - 113

ND - Not Detected

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

4

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line

CLIENT ID: F01-0117
DATE SAMPLED: 5/30/01
NEL SAMPLE ID: P0105052-01

TEST: Metals
MATRIX: Aqueous

ANALYST: RAA - Reno Division

PARAMETER	RESULT mg/L	REPORTING LIMIT	D.F.	METHOD	DIGESTED	ANALYZED
Arsenic	ND	0.1 mg/L	1	EPA 6010	6/1/01	6/5/01
Barium	ND	0.005 mg/L	1	EPA 6010	6/1/01	6/5/01
Boron	0.27	0.1 mg/L	1	EPA 6010	6/1/01	6/5/01
Cadmium	ND	0.01 mg/L	1	EPA 6010	6/1/01	6/5/01
Calcium	29	0.5 mg/L	1	EPA 6010	6/1/01	6/5/01
Chromium	ND	0.01 mg/L	1	EPA 6010	6/1/01	6/5/01
Copper	ND	0.005 mg/L	1	EPA 6010	6/1/01	6/5/01
Iron	ND	0.1 mg/L	1	EPA 6010	6/1/01	6/5/01
Lead	ND	0.05 mg/L	1	EPA 6010	6/1/01	6/5/01
Magnesium	11	0.5 mg/L	1	EPA 6010	6/1/01	6/5/01
Manganese	ND	0.005 mg/L	1	EPA 6010	6/1/01	6/5/01
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/4/01	6/4/01
Potassium	ND	2. mg/L	1	EPA 6010	6/1/01	6/5/01
Selenium	ND	0.1 mg/L	1	EPA 6010	6/1/01	6/5/01
Silica	29	1. mg/L	1	SM 4500Si-D	6/4/01	6/4/01
Silver	ND	0.02 mg/L	1	EPA 6010	6/1/01	6/5/01
Sodium	170	0.5 mg/L	1	EPA 6010	6/1/01	6/5/01
Zinc	ND	0.1 mg/L	1	EPA 6010	6/1/01	6/5/01

D.F. - Dilution Factor

ND - Not Detected

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

7

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010604SI-BLK

TEST:

<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>
Silica	ND	1. mg/L	1	SM 4500Si-D	6/4/01	6/4/01

D.F. - Dilution Factor

ND - Not Detected

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

8

06-08-01 18:16 TO: OSD LABORATORY SERVICES

FROM: 702 557 1577

P09

06-13-01 12:50

RECEIVED FROM: 915 587 3835

P.06

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: L5307HG-BLK

<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>
Mercury	ND	0.0002 mg/L	1	EPA 245.1	6/4/01	6/4/01

D.F. - Dilution Factor

ND - Not Detected

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

9

06-08-01 18:16 TO:OSD LABORATORY SERVICES

FROM:702 657 1577

P10

06-13-01 12:50

RECEIVED FROM:915 587 3835

P.07

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line

CLIENT ID: F01-0117
DATE SAMPLED: 5/30/01
NEL SAMPLE ID: P0105052-01

TEST: Inorganic Non-Metals
MATRIX: Aqueous

PARAMETER	RESULT	R. L.	D. F.	METHOD	UNITS	ANALYZED
Alkalinity - Bicarbonate as CaCO ₃	130		1	SM 2320 B	mg/L	6/4/01
Alkalinity - Carbonate as CaCO ₃	ND		1	SM 2320 B	mg/L	6/4/01
Alkalinity - Hydroxide as CaCO ₃	ND		1	SM 2320 B	mg/L	6/4/01
Alkalinity, Total as CaCO ₃	130	25.	1	SM 2320 B	mg/L	6/4/01
Bromide	ND	0.2	1	EPA 300.0	mg/L	6/4/01
Chloride	21	1.	10	EPA 300.0	mg/L	5/31/01
Fluoride	1.1	0.4	1	SM 4500-F C	mg/L	6/4/01
Hardness, Total (as CaCO ₃)	110	2.	1	EPA 200.7	mg/L	6/5/01
Nitrate, as N	1.7	0.5	10	SM 4500-NO ₃	mg/L-N	5/31/01
Oil & Grease	14	2.	1	EPA 413.1	mg/L	6/7/01
pH	7.92	2.	1	EPA 150.1	pH Units	5/31/01
pH Temperature	21.9	1.	1	EPA 150.1	°C	5/31/01
Specific Conductance	688	1.	1	SM 2510 B	µS/cm	5/31/01
Sulfate	170	10.	100	EPA 300.0	mg/L	6/8/01
Total Dissolved Solids	449	15.	1	SM 2540 C	mg/L	5/31/01
Turbidity	ND	0.05	1	SM 2130 B	ntu	6/1/01

R.L. - Reporting Limit

D.F. - Dilution Factor

ND - Not Detected

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

11

06-08-01 18:17 TO:OSD LABORATORY SERVICES

FROM:702 657 1577

P12

06-13-01 12:50

RECEIVED FROM:915 587 3835

P.08

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010531NO3-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Nitrate, as N	ND	0.05	1	SM 4500-NO3	mg/L-N	5/31/01

D.F. - Dilution Factor

ND - Not Detected

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

12

06-08-01 18:17 TO:OSD LABORATORY SERVICES

FROM:702 657 1577

P13

06-13-01 12:51

RECEIVED FROM:915 587 3835

P.09

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010531TDS-BLK

TEST: Non-Metals

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D.F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Total Dissolved Solids	ND	15	1	SM 2540 C	mg/L	5/31/01

D.F. - Dilution Factor

ND - Not Detected

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

13

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010601TURB-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Turbidity	ND	0.05	1	SM 2130 B	NTU	6/1/01

D.F. - Dilution Factor

ND - Not Detected

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

14

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010604ALK-BLK

PARAMETER	RESULT	REPORTING LIMIT	D. F.	METHOD	UNITS	ANALYZED
Alkalinity - Bicarbonate as CaC	ND		1	SM 2320 B	mg/L	6/4/01
Alkalinity - Carbonate as CaCO	ND		1	SM 2320 B	mg/L	6/4/01
Alkalinity - Hydroxide as CaCO	ND		1	SM 2320 B	mg/L	6/4/01
Alkalinity, Total as CaCO3	ND	25	1	SM 2320 B	mg/L	6/4/01

D.F. - Dilution Factor

ND - Not Detected

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

15

06-08-01 18:17 TO:OSD LABORATORY SERVICES

FROM:702 657 1577

P16

05-13-01 12:51

RECEIVED FROM:915 587 3835

P.12

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010604BR-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Bromide	ND	0.2	1	EPA 300.0	mg/L	6/4/01

D.F. - Dilution Factor

ND - Not Detected

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

16

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010604F-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Fluoride	ND	0.4	1	SM 4500-F C	mg/L	6/4/01

D.F. - Dilution Factor

ND - Not Detected

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

17

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010607OGW-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Oil & Grease	ND	2	1	EPA 413.1	mg/L	6/7/01

D.F. - Dilution Factor

ND - Not Detected

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

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Non-Metals

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010608SO4-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Sulfate	ND	0.1	1	EPA 300.0	mg/L	6/8/01

D.F. - Dilution Factor

ND - Not Detected

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

19

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Inorganic Non-Metals
MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Specific Conductance	010531COND-LCS	1412	1417	100	95 - 105	

ND - Not Detected

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

20

06-08-01 18:18 TO:OSD LABORATORY SERVICES

FROM:702 657 1577

P21

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Inorganic Non-Metals
MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Nitrate, as N	010531NO3-LCS	100	91	91	90 - 110	
Nitrate, as N	010531NO3-LCSD	100	92	92	90 - 110	1.1
Nitrate, as N	L0105295-02-MS	100	97	97	80 - 120	

ND - Not Detected

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

21

06-08-01 18:18 TO: OSD LABORATORY SERVICES

FROM: 702 657 1577

P22

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Inorganic Non-Metals
MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
7.00 Buffer	010531PH-LCS	7	7.01	100	99 - 101	
7.00 Buffer	010531PH-LCSD	7	6.98	100	99 - 101	0.4

ND - Not Detected

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

22

06-08-01 18:18 TO:OSD LABORATORY SERVICES

FROM:702 657 1577

P23

06-13-01 12:52

RECEIVED FROM:915 587 3835

P.18

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Inorganic Non-Metals
MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Total Dissolved Solids	010531TDS-LCS	1000	954	95	80 - 120	

ND - Not Detected

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

23

06-08-01 18:18 TO: OSD LABORATORY SERVICES

FROM: 702 657 1577

P24

06-13-01 12:53

RECEIVED FROM: 915 587 3835

P.19

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Inorganic Non-Metals
MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Turbidity	010601TURB-LCS	1	1.05	105	96 - 109	

ND - Not Detected

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

24

06-08-01 18:18 TO:OSD LABORATORY SERVICES

FROM:702 657 1577

P25

06-13-01 12:53

RECEIVED FROM:915 587 3835

P.20

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Inorganic Non-Metals
MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Alkalinity, Total	010604ALK-LCS	125	125	100	90 - 110	
Alkalinity, Total	010604ALK-LCSD	125	121	97	90 - 110	3.3

ND - Not Detected

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

25

06-08-01 18:18 TO: OSD LABORATORY SERVICES

FROM: 702 657 1577

P26

06-13-01 12:53

RECEIVED FROM: 915 587 3835

P.21

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Inorganic Non-Metals
MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Bromide	010604BR-LCS	100	95	95	90 - 110	
Bromide	010604BR-LCSD	100	95	95	90 - 110	0.
Bromide	P0105052-01-MS	100	103	103	80 - 120	

ND - Not Detected

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

26

06-08-01 18:19 TO:OSD LABORATORY SERVICES

FROM:702 657 1577

P27

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
MATRIX: Aqueous

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
Phenol	0604e1 8270-LCS	80	22.1	28	21 - 51	
Phenol	0604e1 8270-LCSD	80	24.9	31	21 - 51	11.9
2-Chlorophenol	0604e1 8270-LCS	80	40.9	51	48 - 107	
2-Chlorophenol	0604e1 8270-LCSD	80	45.1	56	48 - 107	9.8
1,4-Dichlorobenzene (p-DCB)	0604e1 8270-LCS	80	45.7	57	48 - 101	
1,4-Dichlorobenzene (p-DCB)	0604e1 8270-LCSD	80	50.6	63	48 - 101	10.2
N-Nitrosodi-n-propylamine	0604e1 8270-LCS	80	51.9	65	33 - 122	
N-Nitrosodi-n-propylamine	0604e1 8270-LCSD	80	57	71	33 - 122	9.4
1,2,4-Trichlorobenzene	0604e1 8270-LCS	80	51.4	64	43 - 99	
1,2,4-Trichlorobenzene	0604e1 8270-LCSD	80	57.9	72	43 - 99	11.9
4-Chloro-3-methyl phenol	0604e1 8270-LCS	80	51.9	65	42 - 123	
4-Chloro-3-methyl phenol	0604e1 8270-LCSD	80	58.4	73	42 - 123	11.8
Acenaphthene	0604e1 8270-LCSD	80	62.9	79	50 - 98	0.
2,4-Dinitrotoluene (DNT)	0604e1 8270-LCS	80	65.5	82	50 - 111	
2,4-Dinitrotoluene (DNT)	0604e1 8270-LCSD	80	72.6	91	50 - 111	0.
4-Nitrophenol	0604e1 8270-LCS	80	22.1	28	17 - 48	
4-Nitrophenol	0604e1 8270-LCSD	80	25.3	32	17 - 48	13.5
Pentachlorophenol	0604e1 8270-LCS	80	49.4	62	47 - 127	
Pentachlorophenol	0604e1 8270-LCSD	80	57.8	72	47 - 127	15.7
Pyrene	0604e1 8270-LCS	80	60.4	76	47 - 111	
Pyrene	0604e1 8270-LCSD	80	66.6	83	47 - 111	9.8

ND - Not Detected

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

20

06-08-01 18:19 TO: OSD LABORATORY SERVICES

FROM: 702 657 1577

P30

CLIENT: El Paso Natural Gas Company
PROJECT ID: Gallup Pipeline District
PROJECT #: 1300 Line
TEST: Metals
MATRIX: Aqueous

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Selenium	P0105052-01-MSD	0.5	0.65	130 N	75 - 125	28.3
Silver	P5052I-LCS	0.5	0.498	100	85 - 115	
Silver	P0105052-01-MS	0.5	0.428	86	75 - 125	
Silver	P0105052-01-MSD	0.5	0.414	83	75 - 125	3.3
Sodium	P5052I-LCS	20	22.9	115	85 - 115	
Sodium	P0105052-01-MS	20	125	-225 C	75 - 125	
Sodium	P0105052-01-MSD	20	122	-240 C	75 - 125	-6.5
Zinc	P5052I-LCS	0.5	0.559	112	85 - 115	
Zinc	P0105052-01-MS	0.5	0.533	107	75 - 125	
Zinc	P0105052-01-MSD	0.5	0.531	106	75 - 125	0.4

ND - Not Detected

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

32

06-08-01 18:20 TO: OSD LABORATORY SERVICES
06-13-01 12:54

FROM: 702 557 1577

RECEIVED FROM: 915 587 3835

P33
P.24

THE UNIVERSITY OF CHICAGO

Company - Testing Laboratory Company - EFLAC Lab Pink - Field Sampler

Kieling, Martyne

From: Duarte, Ricardo[SMTP:Ricardo.Duarte@ElPaso.com]
Sent: Wednesday, June 13, 2001 3:39 PM
To: Martyne Kieling (E-mail)
Subject: NMOCD HI 070: Belen Discharge

Martyne:

As a heads up, El Paso Natural Gas Company (EPNG) has successfully completed the subject hydrostatic test and the water is currently stored in frac-tanks. In accordance with Condition No. 2 of the referenced discharge permit issued on May 21, 2001, EPNG is seeking your prompt review and authorization to discharge the water as originally proposed. The paper work is being FedExed via overnight mail to you today.

The mailing includes the source water analytical results and the final de-water results. In brief, with the exception aqueous Fe+ (to be expected with the iron pipe) and some very minor increases in other aqueous metals and non-metals (ions), the overall quality of water was not impacted. There were no detectable semi-volatile or volatile contaminants before and after the test. It appears that EPNG's initial flush procedure may have mitigated the potential to introduce contaminants into the source water during the test.

I look forward to hearing from the NMOCD shortly and if you have any questions on any of these results or you need additional information, please contact me at (505) 831-7763.

Thank you,
Richard 505/831-7763

This email and any files transmitted with it from the ElPaso Corporation are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the sender.

Kieling, Martyne

From: Duarte, Ricardo[SMTP:Ricardo.Duarte@ElPaso.com]
Sent: Wednesday, May 16, 2001 3:25 PM
To: Martyne Kieling (E-mail)
Subject: Follow-up on Requested Information
Importance: High

Martyne:

Below is a listing items requested by NMOCD to continue to process the two hydrostatic test discharge applications. Should you require further information, please feel free to call or email me.

Belen Area Discharge:

1. Legal site location of frac-tanks. Township 5 - North, Range 1 East, Valencia County. We don't have the quarter sections because this is Unsurveyed land. Please reference second drawing in EPNG's original application. The tanks are being located along the pipeline (south side) between milepost 264 and 263 above the words RANCHO RIO GRANDE UNIT 1 (right at the mid-section of the diagram) along that dirt road that follows the pipeline.

Lordsburg Area Discharge:

2. Pond description: The pond will be constructed using earthen berms and dug at the site. No additional soil will be transported into the location. The pond will be lined with a 40-mil HPDE seamless liner. The dimensions at the top of the berm will be 600 feet long by 350 feet wide. The depth will be adjusted to accommodate the NMOCD's final requirement for free-board. Upon completion of the project and the water has evaporated, EPNG will characterize any solids in the pond and dispose accordingly. Today EPNG is making disposal arrangements with Waste Management's Butterfield Disposal facility in Phoenix, AZ for all and any waste (solid, special or hazardous) generated in Texas, New Mexico and Arizona. The liner will be disposed at the that time as well and the earthen berms leveled to near original grade (no additional compaction).

3. Projected Discharge Date: At the present time the Federal Energy Regulatory Commission is awaiting a filing from EPNG regarding threatened and endangered species and general construction information. This information will be sent by EPNG on or before May 25, 2001. Upon which final approval to begin will be driven by the FERC's review of that information. Considering the energy crises in California, we expect that to be almost immediate. Hence, our best estimated date as to when the discharge will occur is after the pipeline is cleaned which is the last week in June (June 26, 2001) and sometime in July 2001.

Richard Duarte
505/831-7763

This email and any files transmitted with it from the ElPaso Corporation are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the sender.

Kieling, Martyne

From: Duarte, Ricardo[SMTP:Ricardo.Duarte@ElPaso.com]
Sent: Tuesday, May 15, 2001 10:03 AM
To: Martyne Kieling (E-mail); Ed Martin (E-mail)
Subject: EPNG's Belen Hydrostatic Testing: Change in Source water

Martyne and Ed:

EPNG has re-evaluated its use of river water (from the Rio Grande) for the source of water on the subject test. Apparently the heavy-silt content is a serious concern and thus EPNG has now made arrangements with the City of Belen to purchase 60,000-gallons per day for 8 days to acquire the total 480,000 gallons. At the present time, this is the only change to our proposed test procedures.

To revisit our proposal briefly, EPNG will still run a cleaning run and discharge that wash-water at the Gallup compressor station double-lined pond. Lastly, EPNG will anticipate that the final results will meet the NM Groundwater Standards prior to discharge on the land-surface as dust suppressant.

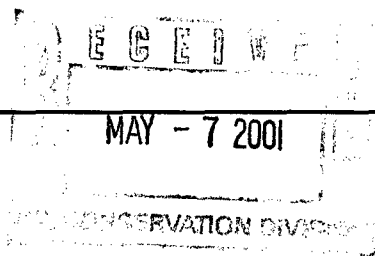
(For Ed Martin): Lastly, with this project update EPNG respectfully requests your approval to discharge the wash water (5,000 gallons) into the Gallup Station double-line pond. Reference the proposal and request sent to Ms. M. Kieling last week.

Please inform me if this email will suffice to update the project request or if I need to re-submit the change via a letter.

Thank you for your consideration,

Richard Duarte,
Principal Environmental Engineer EPNG
505 831-7763

This email and any files transmitted with it from the ElPaso Corporation are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the sender.



May 3, 2001

Ms. Martyne Kieling, Environmental Engineer
New Mexico Oil Conservation Division
Environmental Bureau – District 4
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Certified Mail
Return Receipt Requested
7099 3220 00063 0534 3242

Re: Request for a Permit to Discharge Hydrostatic Test Water from EPNG's 1300 Pipeline near Belen, NM.

Dear Ms. Kieling:

El Paso Natural Gas Company (EPNG) is planning to hydrostatic test its No. 1300 pipeline between Belen and Laguna Compressor Stations. The test is scheduled to occur on or around the week of June 4, 2001. The information attached herein is provided in accordance with the NMOCD's Guidelines for Hydrostatic Test Dewatering (May 1989). In brief, if the proposed conditions are met, EPNG is intending to discharge the test water via land application as a dust suppressant onto EPNG's right-of-way.

If you have any questions on any of this information or you need additional information, please contact me at (505) 831-7763.

Sincerely,

Richard Duarte
Principal Environmental Engineer
Pipelines West – Environmental Department

NMOCD Hydrostatic Test Information EPNG's Pipeline 1300 Near Belen, NM

June 4, 2001

Hydrostatic Test Information

a) Map showing the location of the pipelines to be tested;

Two diagrams and a map are attached.

b) Description of the test;

EPNG will be testing one length of pipe to satisfy the pipeline safety requirements of the US Department of Transportation – Pipeline Safety Regulations for a Class Location upgrade (Reference Title 49 CFR Parts 186 to 199). The upgrade is necessary due to the increased population growth in this area. The CFR Parts prescribes the procedures used by the Research and Special Programs Administration in carrying out the duties regarding the pipeline safety under the laws of 49 USC 60101 and other laws (the pipeline safety laws).

EPNG transports pipeline quality gas (sweet and dry) in this pipeline system that is suitable for consumer usage. This gas is supplied to EPNG by various shippers and other transporters and has been treated to remove all liquids and deleterious substances prior to entry into the EPNG pipeline system. EPNG has an elaborate gas quality monitoring system for all natural gas entering the pipeline. This system is utilized to ensure that EPNG meet with its Natural Gas Tariff on file with the Federal Energy Regulatory Commission (FERC), which maintains strict and minimum standards for natural gas entering into EPNG's system.

EPNG is proposing to conduct the test in three distinct phases: 1) Clean the pipeline line 2) Fill pipeline with approximately 480,000 gallons of water and hydrostatic test pipeline segment; and, 3) if all applicable criteria are met, land apply the water onto EPNG's right-of-way.

Mile Post 261+ 2,342'(E.S. 239+05)
Mile Post 263+5,039.3(E.S. 386+90.5)
Test Section 14,784'
Elevation @ Valve 25 4,880'
Elevation @ Valve 26 5,195' (315' Difference)
30" -WT .335- X-52 (794' of .375 WT across Belen Highline Canal)
DWG # 1300.0-52 and 53
TWS-5-N
Range 2-E
Unsurveyed Land
Rancho Rio Grande Units 1 & 2
Valencia County, New Mexico

c) Source and analysis of test water;

EPNG will get water from the Rio Grande via a canal in the vicinity of the test. Enclosed is a copy of the agreement for EPNG to get water from the Middle Rio Grande Conservancy District, specifically from the Belen Highline Canal. A sample of this source water will be acquired prior to the test and analyzed for organic compounds, major anions and cations, heavy metals, aromatic and halogenated hydrocarbons, TDS, Fe, Mn, ph, PAHs and conductivity as recommended by the NMOCD guidelines.

This water analyses will establish the baseline water quality levels.

d) Point of discharge of the test water;

The water will be land applied onto EPNG's right-of-way as shown on the attached diagrams within the segment of pipeline being tested; provided the water-quality criteria (mentioned below) is met. The water will be sprayed

onto the land using tank-trucks with sprayers. No water will allowed to pond or enter into a dry arroyo or canal. As part of EPNG's right-of-way agreement with land-owners, it is allowed to conduct operation and maintenance (such as dust suppressant practices) to operate the pipeline.

e) Method and location for collection and retention of fluids and solids;

Wash-run Water: In an attempt to mitigate any contamination of the source water (Rio Grande water), EPNG is proposing to conduct a "wash-run" prior to filling the pipeline. Based on EPNG's operating knowledge of this segment of the pipeline, it has little or no oils currently present. The purpose of the wash-run is to eliminate any residual oil, grease or other hydrocarbons that may be in this segment and potentially contaminate the source water. The wash-run will entail approximately 5,000 gallons of water and one scrubbing-pig to push the cleaning water through the affected pipeline segment. This wash water will be collected in one 20,000-gallon Frac-tank and transported to EPNG's Gallup Station for disposal into the double-lined industrial pond. This facility (and the pond) has an approved NMOCD Discharge Plan, number GW-173.

Hydrostatic Test Water. The hydrostatic test water will be collected in 27 Frac-tanks (each with a 20,000-gallon capacity) prior to and after the test.

f) monitoring program;

EPNG is proposing to collect one composite water sample from the beginning, middle and end of the discharge and analyze it for the same constituents performed on the source water (Rio Grande – Belen Highline Canal).

g) Depth of ground water at discharge and collection/retention site;

Depth to groundwater is estimated at 300 feet.

h) Geological characteristics;

Topsoil is mostly sand with some medium to large cobbles and stones (very thin layer 1 to 2 feet thick). The subsurface soils are chiefly caliché mixed with clayey sediments.

i) Plan for disposal of test water and solids;

After the test, all water will be retained in the 27 Frac-tanks. If the water is not contaminated beyond any pre-existing level (baseline established under section "c" above), EPNG is proposing to land-apply the water as dust suppressant on the affected right-of-way. Should the water reveal an increase in any constituent level, EPNG will notify the NMOCD and develop a separate disposal plan for evaluation and approval by NMOCD. Any solids left in the frac-tanks will be collected, characterized and disposed accordingly.

j) Written permission from the landowner of collection/retention site;

The approval letters are attached for your information.

**MIDDLE RIO GRANDE CONSERVANCY DISTRICT
TEMPORARY LICENSE TO PUMP FROM DISTRICT WORKS
SP-011-2001**

1. The Middle Rio Grande Conservancy District (DISTRICT), hereby authorizes the undersigned (PERMITTEE) to withdraw water for PERMITTEE's use from BELEN HIGHLINE CANAL to HYDROSTATIC TEST A 30" Ø NATURAL GAS PIPELINE. The PERMITTEE hereby accepts this Permit and agrees to be bound by its terms and conditions. PERMITTEE agrees to pay the DISTRICT a minimum fee of Twenty Dollars (\$20.00) for the water or thirty cents (\$0.30) per one thousand (1000) gallons of water withdrawn, whichever amount is greater. PERMITTEE estimates he will withdraw 480,000 gallons and hereby agrees to pay the sum of ONE HUNDRED FORTY FOUR DOLLARS (\$144.00) in advance for this period. The PERMITTEE will maintain a log of how much water is withdrawn and make a monthly report to the District, and pay for any water not previously paid for.
2. PERMITTEE shall bear all cost incurred by reason of the exercise of the privilege conferred by this Permit.
3. The DISTRICT does not warrant or represent that it owns or has the necessary property interest in the property to allow PERMITTEE ingress and egress to withdraw the water, and the PERMITTEE is aware of this fact and assumes all risks, which arise as a result thereof.
4. The PERMITTEE shall be liable for any and all damages to the property of the DISTRICT, United States, or any third party of parties by reason of this Permit or by the exercise of the privilege conferred by this Permit. In addition, the PERMITTEE agrees to indemnify and hold harmless the DISTRICT and/or the United States, their agents and employees from any and all claims, demands, actions, or suits of any nature which arise as a result of this Permit including, but not limited to those which arise as a result of this Permit including, but not limited to those which result from the construction, maintenance, use, state of repair, presence of any structures, accessories or exercise of privilege conferred by this Permit.
5. This Permit shall continue so long as, in the opinion of the DISTRICT, it is considered to be expedient or not detrimental to the public interest or the interest of the DISTRICT. This Permit shall be revocable by the DISTRICT for any reason upon written notice to the PERMITTEE. Revocation shall not release PERMITTEE from any liability or obligation, whether of indemnity or otherwise, which may have attached, accrued, or was accruing at the time of such revocation. Notice or revocation shall be sufficient if mailed to PERMITTEE at: EL PASO NATURAL GAS COMPANY, GALLUP OPERATING AREA, P.O. BOX 103, REHOBOTH, NM 87322, ATTN.: JACK O. LEDINGHAM, PHONE: (505) 722-3633
6. The privilege granted by this Permit shall not be exercised, nor shall any structure or accessory be constructed or maintained so as to obstruct in any manner the flow of water in the canals, laterals, ditches, or drains of the DISTRICT or to interfere in any manner whatsoever with the construction, operation, maintenance and functions of the District.
7. The PERMITTEE hereby releases the District and the United States, their agents, and their employees from any and all claims for damage to property, personal injury, or death that may arise as a result of the exercise of the privilege conferred by this Permit.

8. If the DISTRICT is required to bring suit in any court for the purpose of enforcing this agreement or any provisions or portions thereof, the PERMITTEE shall be liable for all costs incurred and for reasonable attorney's fee.

9. This Permit shall terminate on JUNE 30, 2001.

10. The PERMITTEE must contact RICHARD JARAMILLO, BELEN DIVISION MANAGER at (505) 864-7466 prior to pumping.

EXECUTED this 2nd day of May, 2001.

MIDDLE RIO GRANDE CONSERVANCY DISTRICT

BY: [Signature]

CHIEF ENGINEER

PERMITTEE

BY: [Signature]

REV 8/93



El Paso Natural Gas Company
Gallup Operating Area
P.O. Box 103
Rehoboth, New Mexico 87322

April 23, 2001

Leroy O. Baca
1301 South Main St.
Belen, New Mexico 87002

Land owner

Attention Mr. Leroy O. Baca

Dear Mr. Baca

El Paso Natural Gas will be conducting a pipeline upgrade that requires us to hydrostatically test a segment of our 30" Pipeline through the Rancho Rio Grande Units 1 & 2. We are requesting to utilize the property, which you and 3 others own a portion to temporarily set 25 Volume Tanks for water storage. The 20,000-gallon tanks would be on site starting in May until July when the tanks will be removed. The temporary working area we would require for the tanks is approximately 100' X 600' adjacent to our Right of Way. In addition EPNG will furnish and make permanent an additional gate at the Northwest entrance to the property. We would also like to request the installation of a temporary gate on the west fence where the old road existed for means of Ingress and Egress while the work is in progress, upon completion the fence would be reconstructed. After the job completion the disturbed area will be restored back to its original condition and re-seeded with native grasses. I have included a basic drawing that illustrates the placement of the tanks.

So that we may know that our proposed temporary use of your property meets with your approval, please sign in the space provided below and return the duplicate copy of this letter for our file.

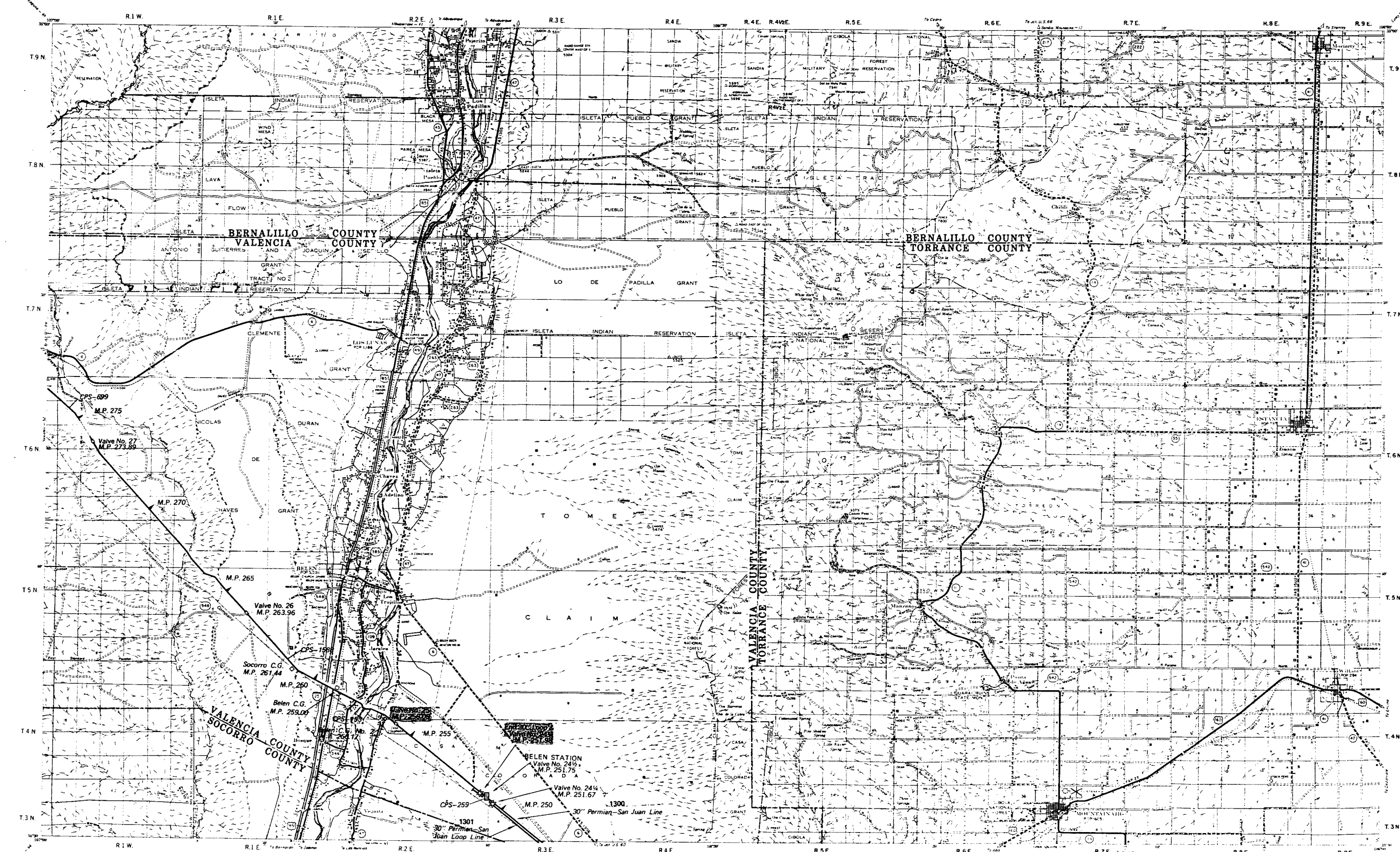
Your cooperation in connection with this matter is sincerely appreciated.

Sincerely,
El Paso Natural Gas

Jack O. Ledingham Jr.
Jack O. Ledingham Jr., Lead Operations Specialist

Leroy O. Baca
Leroy O. Baca
Approved signature

MATCH WITH SHEET B-7



VALUES RECONO. 1989

MATCH WITH SHEET C-6

BASIC MAP
DESIGNED BY THE OFFICE OF
COPYRIGHT LICENSE THROUGH THE COURTESY OF
NEW MEXICO STATE HIGHWAY DEPARTMENT

MRS U M GARCIA

420 400

93	101.86
----	--------

N 58° 34' W — 234186 — WASH



SOCORRO

NOTE STATIONING IS BASED
ON HORIZONTAL CHAINING
PIPE LENGTHS ARE SLACK
CHAINED

[illegible]

