HIP - 14

GENERAL CORRESPONDENCE

YEAR(S): 1993 - 1986

El Paso Natural Gas Company
3801 Atrisco Blvd. NW
Albuquerque, NM 87120

VIA OVERNIGHT MAIL

September 21, 1993

New Mexico Oil Conservation Division
Attention: Mr. Chris Eustice
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87504

Re: Request for Permit to Discharge Hydrostatic Test Water from Used Pipe at El Paso Natural Gas Company's (EPNG's) Belen Station, SE/4, SE/4, Section 25, T4N, R2E, Valencia County, New Mexico.

Dear Mr. Eustice:

EPNG is planning to hydrostatic test its No. 1300 and 1301 pipelines between its Belen and Laguna Stations. Attached is a map depicting the subject pipelines and the location of the discharge. EPNG is proposing to use its Belen Station lined pit for the entire discharge. EPNG will be hydrostatic testing its pipelines during the month of October through the first part of November. The information below is provided in fulfillment of NMOCD's "Guidelines for Hydrostatic Testing" for old pipelines.

1301, 1300

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

b) Description of the test: EPNG will be testing various lengths of pipe during the above mentioned period. Prior to filling the pipeline with water, EPNG will pig the segment of the pipeline. Any pigging liquids will be discharged into Belen Station's used oil tanks.

various lengths

c) Source of test water: Belen Station water wells. This water will be tested as described in item f) below.

Belen Supply well St Pits

d) Point of discharge of the test water: Belen station lined pit.

e) Method and location for collection of fluids: All discharges will be made into Belen Station's lined pit. Various lengths of pipe will be tested and all water will be discharged into the lined pit and reused from the lined pit for subsequent tests. A total of 2.9 million gallons are proposed to be utilized during the testing period.

2.9 MM BBLS

f) Monitoring program: Since the same water will be used throughout a 5 week period, EPNG is proposing to sample of the discharge water on two occasions. The first sample would be during the mid-October and the second sample would be at the end of the final hydrostatic test discharge into the lined pit. Samples of the discharge water will be analyzed for organic compounds and major anions/cations. The analytical data will be made available to NMOCD upon request.

g) Depth to ground water: Depth to ground water exceeds 150 feet.

h) Geological characteristics: Top soil is sandy. Subsurface soils are chiefly caliche mixed with clayey sediments.

i) Plan for disposal of the test water and solids. The water will be allowed to evaporate and the remaining solids will be analyzed and characterized for appropriate disposal.

Solids

j) Identification of landowners at discharge: El Paso Natural Gas Company.

k) Written permission from the landowner: Not applicable.

If you have any questions or need a clarification on the above information, please do not hesitate to contact me at 505/831-7763. Your prompt review of this matter is appreciated. Thank you.

Sincerely yours,

Richard Duarte

Richard Duarte
Sr. Compliance Engineer
Environmental Compliance Engineering

attachment

WILLIAMS

El Paso
Natural Gas Company
3801 Atrisco Blvd. NW
Albuquerque, NM 87120

VIA OVERNIGHT MAIL

October 8, 1993

New Mexico Oil Conservation Division
Attention: Mr. Chris Eustice
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87504

Re: Request for Permit to Discharge Hydrostatic Test Water from Used Pipe at S/2, of Section 3, T1S, R9E, Socorro County, New Mexico.

Dear Mr. Eustice:

As per our conversation last week, EPNG is planning to hydrostatic test its No. 1300 and 1301 pipelines between its Belen and Roswell Stations. Attached is a map depicting the subject pipelines and the location of the discharge. During our conversation last week, I mentioned to you that because of operational and market conditions EPNG would need a temporary location to discharge its hydrostatic test water from its 1300 and 1301 lines at Valve No. 20 (legal description shown above). EPNG is proposing to use its Belen Station lined pit for the final disposal of the hydrostatic discharge water for which a request for permit was submitted to you on September 21, 1993. In short, if EPNG would get approval to discharge at a lined pit near Valve No. 20, the same water would be reused at an opportune time to test the remaining pipeline and dispose of the entire hydrostatic test discharge at Belen Station. Therefore, the information below is provided in fulfillment of NMOCD's "Guidelines for Hydrostatic Testing" for the discharge at Valve No. 20.

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

b) Description of the test: EPNG will be testing various lengths of pipe during the above mentioned period.

c) Source of test water: Belen Station water wells. This water will be tested as described in item f) below.

d) Point of discharge of the test water: Interim discharge: Valve No. 20, S/2, Sec. 3, T-1-S, R-9-E, Socorro County. Final Discharge: Belen station lined pit, SE/4,SE/4, Sec. 25, T-4-N, R-2-E, Valencia County, New Mexico.

e) Method and location for collection of fluids: All discharges will be made into a lined pit. Various lengths of pipe will be tested and all water will be discharged into the lined pit and reused from the lined pit for subsequent tests. A total of 2.9 million gallons are proposed to be utilized during the testing period.

f) Monitoring program: Since the same water will be used throughout a 5 week period, EPNG is proposing to sample of the discharge water on two occasions. The first sample would be during the mid-October and the second sample would be at the end of the final hydrostatic test discharge into the lined pit. Samples of the discharge water will be analyzed for organic compounds and major anions/cations. The analytical data will be made available to NMOCD upon request.

g) Depth to ground water: Depth to ground water exceeds 150 feet.

h) Geological characteristics: Top soil is sandy. Subsurface soils are chiefly caliche mixed with clayey sediments.

i) Plan for disposal of the test water and solids. The water will be allowed to evaporate and the remaining solids will be analyzed and characterized for appropriate disposal.

j) Identification of landowners at discharge: Mr. Wayne Lindsey.

k) Written permission from the landowner: See attached letter.

If you have any questions or need a clarification on the above information, please do not hesitate to contact me at 505/831-7763. Your prompt review of this matter is appreciated. Thank you.

Sincerely yours,

Richard Duarte

Richard Duarte
Sr. Compliance Engineer
Environmental Compliance Engineering

attachment

September 28, 1993

Mr. Wayne Lindsey
Route 1
Claunch, NM 87011

RE: R/W 930326
Hydrostatic Test
San Juan Lines

Dear Mr. Lindsey:

This will confirm our telephone conversation of this date concerning a 200' X 200' dewatering pit in the S/2 of Section 3, T-1-S, R-9-E, Socorro County, New Mexico.

El Paso Natural Gas Company agrees to the following stipulations:

1. Notify Wayne Lindsey at 505/849-1096 prior to entry.
2. Pit to be lined to prevent contamination to area.
3. Pit to be cleaned up and disturbed area restored as nearly as possible to its original condition.
4. Damages to be settled after clean up is complete.
5. All disturbed areas to be reseeded with a mixture recommended by the local ASC Office.

I appreciate your cooperation, and if you have any questions, do not hesitate to call me at 915/541-3047.

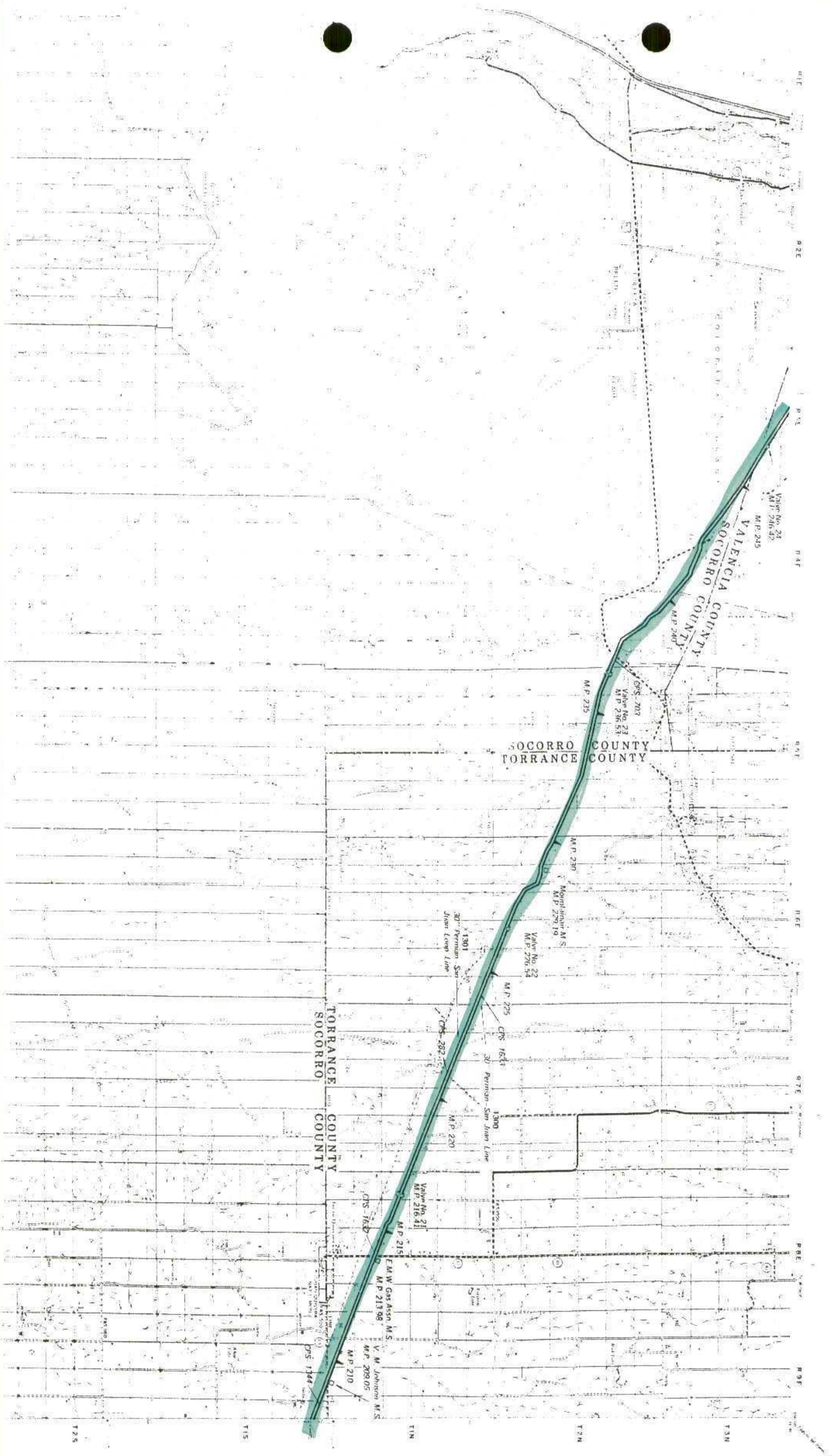
Sincerely yours,
ORIGINAL SIGNED BY
GLEN E. ORR

Glen E. Orr
Manager
Purchase Division
Right of Way Department

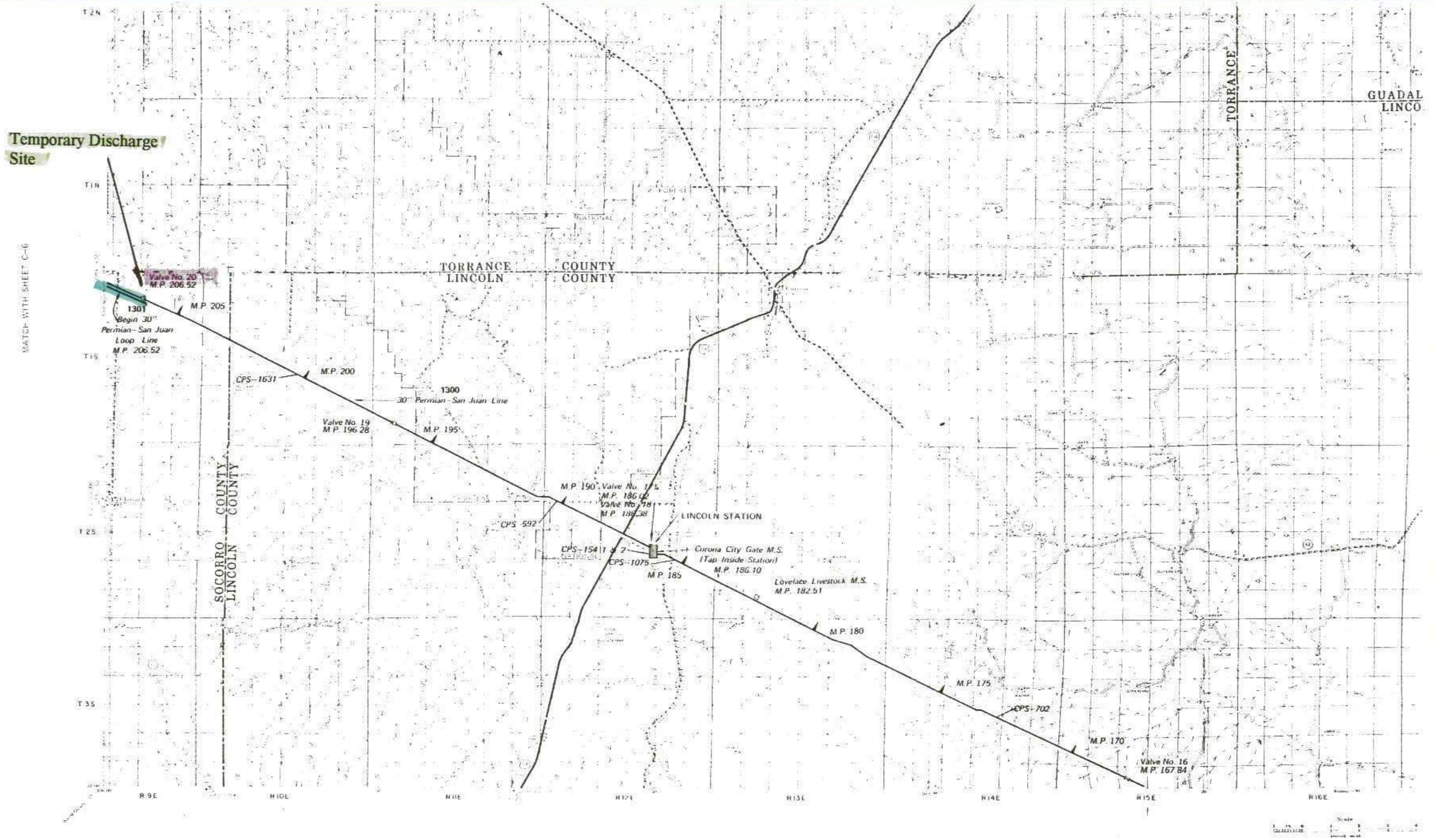
GEO/mgd

cc: Tom Shofner
Richard Duarte

Prepared By
Engineering Drafting



MATCH WITH SHEET D-6



Prepared by
Engineering Drafting

El Paso
Natural Gas Company

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

July 10, 1990

Mr. David Boyer
New Mexico Oil Conservation Division
State Land Office
310 Old Santa Fe Trail #206
Santa Fe, New Mexico 87504

RE: Discharge Permits - Hydrostatic Test Water Discharge Cibola County

Dear Mr. Boyer:

El Paso Natural Gas Company wishes to advise you of location changes for two test water disposal sites previously sent to you in my letter of May 10, 1990. The new sites are as follows:

- The disposal site for test section No. 1, 22,700 feet of the Plains to San Juan Crossover, lines 1300 and 1301, will be located on EPNG fee property, NE/4 NE/4, Sec 31, T-11-N, R-9-W, Cibola County, New Mexico.

- The disposal site for test section No. 2, 3,710 feet of the Plains to San Juan Crossover, line 1300, will be located on private land, SW/4 SW/4, Sec. 19, T-11-N, R-9-W, Cibola County, New Mexico. A copy of the agreement with the land owner is attached for your information.

Should you have any questions, or wish to discuss this further, please give me a call at 505-831-7759.

Sincerely,

W. David Hall

W. David Hall, P.E.
Senior Engineer

A G R E E M E N T

THIS AGREEMENT made and entered into this 21 day of May, 1990 by and between EL PASO NATURAL GAS COMPANY, P. O. Box 1492, El Paso, Texas 79948 and EDDIE GONZALES AND JEFFREY CHACHERE, as co-owners of:

A certain tract of land in SW/4 SW/4 Sec. 19, Township 11 North, Range 9 West, Cibola County, New Mexico,

and

EL PASO NATURAL GAS COMPANY desires to temporarily use a certain 100 foot by 100 foot portion of said land for the construction of a water disposal pond during a construction period of approximately July 1 thru August 31, 1990, after which time and use El Paso Natural Gas Company agrees to recontour and restore said parcel of land to an acceptable condition to said owners.

El Paso Natural Gas Company agrees to hold harmless and defend the above named owners against any claim or damages caused by their use of said land to any party and to take all necessary precautions to protect the general public from any harm or danger whatsoever.

Dated this 21 day of May, 1990.

SS# 525-78-2221 Eddie Gonzales

SS# 546-70-1003 (Jeffery Chachere)

APPROVED AND ACCEPTED by W. H. Ford, Contract Right of Way Agent for El Paso Natural Gas Company.

(W. H. Ford)

El Paso
Natural Gas Company

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

May 10, 1990

Mr. David Boyer
New Mexico Oil Conservation Division
State Land Office
310 Old Santa Fe Trail #206
Santa Fe, New Mexico 87504

RE: Request for Discharge Permits - Hydrostatic Test Water Discharge

Dear Mr. Boyer:

El Paso Natural Gas Company respectfully requests discharge permits for hydrostatic test water discharge anticipated this summer. The pertinent information is included on the attached sheets. Some details are not known at this time but will be provided as soon as possible.

Additionally, a test consisting of new pipe will be conducted that falls under the blanket permit conditions. This section is located in the SE 1/4 , Sec. 3, T-11-N, R-10-W, Cibola County, New Mexico. The total volume is approximately 57,500 gallons of fresh water supply that will be discharged into an unlined pit.

Should you have any questions, or wish to discuss this further, please give me a call at 505-831-7759.

Sincerely,

W. David Hall

W. David Hall, P.E.
Senior Engineer

attachments

#1

NEW MEXICO

HYDROSTATIC TEST INFORMATION FORM

Request Date 4-26-90
Person Requesting E.K. MONTEITH
Title

A. FACILITY DESCRIPTION

1. Facility Name PLAINS TO SAN JUAN CROSSOVER, LINES 1300 & 1301

2. Facility Owner EL PASO NATURAL GAS COMPANY

3.

Beginning Of Test Section:	End Of Test Section:
Quarter Section SW 1/4	Quarter Section NW 1/4
Section 10	Section 32
Township T-10-N	Township T-11-N
Range R-9-W	Range R-9-W
County CIBOLA	County CIBOLA
Nearest City GRANTS	Nearest City GRANTS
State NEW MEXICO	State NEW MEXICO

4. Diameter Of Line 30" Total Length 22,700 Feet To Be Tested

5. Length Of Longest Test Section 11,350 (Ft)

6. Number of Test Sections TWO (ONE EACH LINE)

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?
UNLINED PIT

10. Will the line be washed prior to test?

Yes ☑ No ☐
If yes, how will these fluids and/or solids be disposed?
UNLINED PIT

B. TEST DESCRIPTION

1. Water Source And Location CITY OF GRANTS FIRE HYDRANT; TERESA ST., NE 1/4, SEC. 5, T-10-N, R-9-W

2. Test Start Date APPROX. JULY 20, 1990

#1 (CONT'D.)

B. TEST DESCRIPTION (Continued)

3. Discharge Volume APPROX. 401,500 GALLONS (EACH LINE)

4. Check Discharge Path:

Lined Pond ☐ _____ Mils Thickness Liner

Unlined Pond ☑

Pond Size 150 (Ft) By 150 (Ft)
Other 3 FT. DEEP

5. Location Of Discharge:
Quarter Section SW 1/4
Section 4
Township T-10-N
Range R-9-W
County CIBOLA
Nearest City GRANTS
State NEW MEXICO

6. Describe the geologic characteristics of the subsurface at the proposed discharge site: _____

7. Depth to groundwater at discharge location: LESS THAN 100'

8. Quality of groundwater at discharge location: _____

9. Depth to groundwater at collection/retention site: LESS THAN 100'

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? _____

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: CORRESPONDENCE IS CURRENTLY UNDERWAY WITH NECESSARY PARTIES.

#2

NEW MEXICO

HYDROSTATIC TEST INFORMATION FORM

Request Date 4-26-90
Person Requesting E. K. MONTEITH
Title

A. FACILITY DESCRIPTION

1. Facility Name PLAINS TO SAN JUAN CROSSOVER, LINE 1300

2. Facility Owner EL PASO NATURAL GAS COMPANY

3.

Beginning Of Test Section:	End Of Test Section:
Quarter Section SW 1/4	Quarter Section NE 1/4
Section 19	Section 24
Township T-11-N	Township T-11-N
Range R-9-W	Range R-10-W
County CIBOLA	County CIBOLA
Nearest City GRANTS	Nearest City GRANTS
State NEW MEXICO	State NEW MEXICO

4. Diameter Of Line 30" Total Length 3,710 Feet To Be Tested

5. Length Of Longest Test Section 3,710 (Ft)

6. Number of Test Sections ONE

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?
UNLINED PIT

10. Will the line be washed prior to test?

Yes ☑ No ☐
If yes, how will these fluids and/or solids be disposed?
UNLINED PIT

B. TEST DESCRIPTION

1. Water Source And Location CITY OF GRANTS FIRE HYDRANT; SAWMILL ST., SE 1/4, SEC. 24, T-11-N, R-10-W

2. Test Start Date AUGUST 1, 1990

#2 (CONT'D.)

B. TEST DESCRIPTION (Continued)

3. Discharge Volume APPROX. 131,500 GALLONS

4. Check Discharge Path:

Lined Pond ☐ _____ Mils Thickness Liner

Unlined Pond ☑

Pond Size 50 (Ft) By 90 (Ft)
Other 4 FT. DEEP

5. Location Of Discharge:
Quarter Section SW 1/4
Section 19
Township T-11-N
Range R-9-W
County CIBOLA
Nearest City GRANTS
State NEW MEXICO

6. Describe the geologic characteristics of the subsurface at the proposed discharge site: _____

7. Depth to groundwater at discharge location: LESS THAN 100'

8. Quality of groundwater at discharge location: _____

9. Depth to groundwater at collection/retention site: LESS THAN 100'

10. Proposed method of disposal of fluids and solids after test completion including closure of any pits: RESTORE SURFACE CONDITIONS TO ORIGINAL AFTER EVAPORATION OF ALL LIQUID.

11. Landowner at discharge and collection/retention site? EPNG FEE PROPERTY

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: EPNG FEE PROPERTY

#3

NEW MEXICO

HYDROSTATIC TEST INFORMATION FORM

Request Date 4-26-90
Person Requesting E.K. MONTEITH
Title

A. FACILITY DESCRIPTION

1. Facility Name PLAINS TO SAN JUAN CROSSOVER ; LINE 1300

2. Facility Owner EL PASO NATURAL GAS COMPANY

3.

Beginning Of Test Section:	End Of Test Section:
Quarter Section SW 1/4	Quarter Section SW 1/4
Section 18	Section 33
Township T-13-N	Township T-14-N
Range R-11-W	Range R-13-W
County MCKINLEY	County MCKINLEY
Nearest City THOREAU	Nearest City THOREAU
State NEW MEXICO	State NEW MEXICO

4. Diameter Of Line 30" Total Length 58,300 Feet To Be Tested

5. Length Of Longest Test Section 58,300 (Ft)

6. Number of Test Sections ONE

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? LINED POND

10. Will the line be washed prior to test?
Yes [✓] No [ ]
If yes, how will these fluids and/or solids be disposed? LINED POND

B. TEST DESCRIPTION

1. Water Source And Location EPNG BLUEWATER STATION, SW1/4, SEC. 33, T-14-N, R-13-W

2. Test Start Date AUGUST 10, 1990

#3 (CONT'D.)

B. TEST DESCRIPTION (Continued)

3. Discharge Volume Approx. 2,065,000 GALLONS

4. Check Discharge Path:

Lined Pond [✓] 15 Mils Thickness Liner

Unlined Pond [ ]

Pond Size 250 (Ft) By 250 (Ft)
Other 5 FT. DEEP

5. Location Of Discharge:
Quarter Section NW 1/4
Section 4
Township T-13-N
Range R-13-W
County Mc KINLEY
Nearest City THOREAU
State NEW MEXICO

6. Describe the geologic characteristics of the subsurface at the proposed discharge site:

7. Depth to groundwater at discharge location: SEASONAL VARIATION, CAN BE LESS THAN 100'

8. Quality of groundwater at discharge location:

9. Depth to groundwater at collection/retention site: SAME AS ABOVE

10. Proposed method of disposal of fluids and solids after test completion including closure of any pits: LIQUID WILL BE ALLOWED TO EVAPORATE. DISPOSAL OF SOLIDS & LINER TO BE DECIDED SUBSEQUENT TO ANALYSIS.

11. Landowner at discharge and collection/retention site? EPNG - BLUEWATER STATION

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: EPNG PROPERTY - BLUEWATER STATION

El Paso
Natural Gas Company

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

July 6, 1988

Mr. Roger C. Anderson
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

Subject: Lab Results from the Disposal of Hydrotest Water from Used Pipe at El Paso Natural Gas Co.'s Mile Post 264 of 30" Line 1300 in T5N, R1E of Valencia County, New Mexico

Dear Mr. Anderson:

In fulfillment of condition 4 in Mr. LeMay's February 24, 1988, letter authorizing the discharge of 300,000 gallons of hydrotest water, I have enclosed the lab results of samples taken before, during and after the discharge.

The sample labeled "Field Blank" was taken from the Upper Sabinal Riverside Drain as the test section of the pipe between mile post 258 and 259 was being filled. The samples, labeled "Begin," "Mdpt," and "Endpt," were taken near mile post 259 on June 12, 1988, at the beginning, midpoint, and end of the discharge. The discharge at mile 259 did not go onto the ground but was directed into a five mile section of the same pipeline between mile post 260 and 264. Mile post 264 was chosen as the discharge site because the depth to groundwater was approximately 400' as opposed to 15' at mile post 259. A temporary unlined pond was constructed at mile post 264 and the sample labeled "Pond" was taken from the edge of this pond.

An inspection of the results revealed that the discharge water at mile post 259 exceeded some of the drinking water standards. Particularly notable was the total naphthalenes. A possible explanation for the high level of naphthalenes found in the pond sample (at mile post 264) is that the section of pipe, between mile post 260 and 264, which was used to transport the test water to the pond, contained additional naphthalenes. Further inspection of the results shows that the drinking water standards were not met in some of the samples for barium, lead, and iron.

I have also included some photos which might be helpful. If you have any questions, please feel free to call me at 915/541-5341.

Sincerely yours,

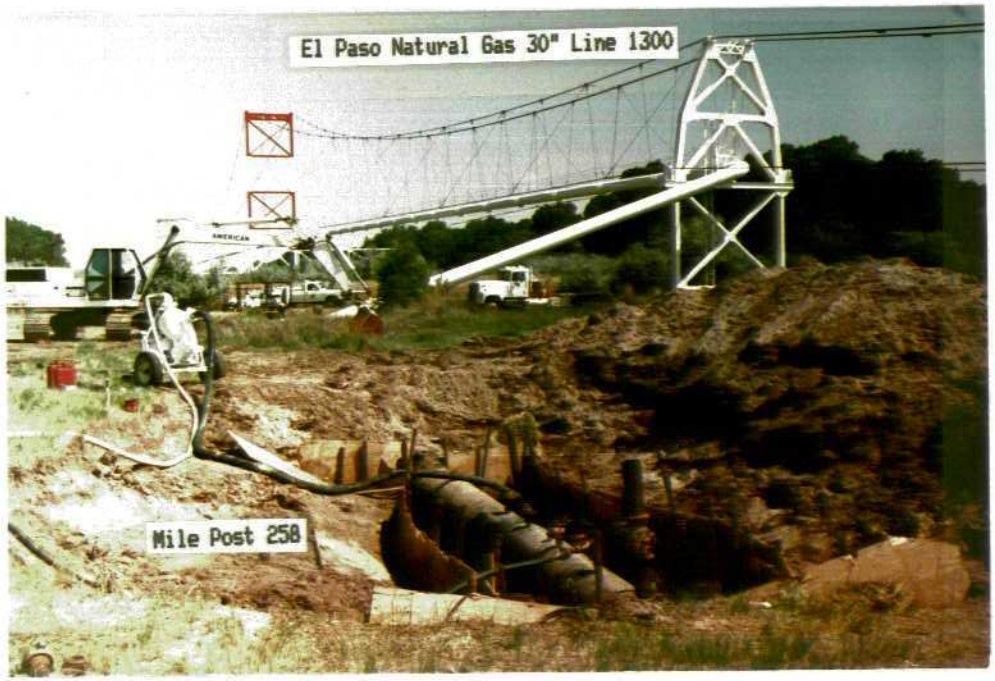
L. E. Gearhart

Loren E. Gearhart
Sr. Env. Engineer
Environmental and
Safety Affairs Dept.

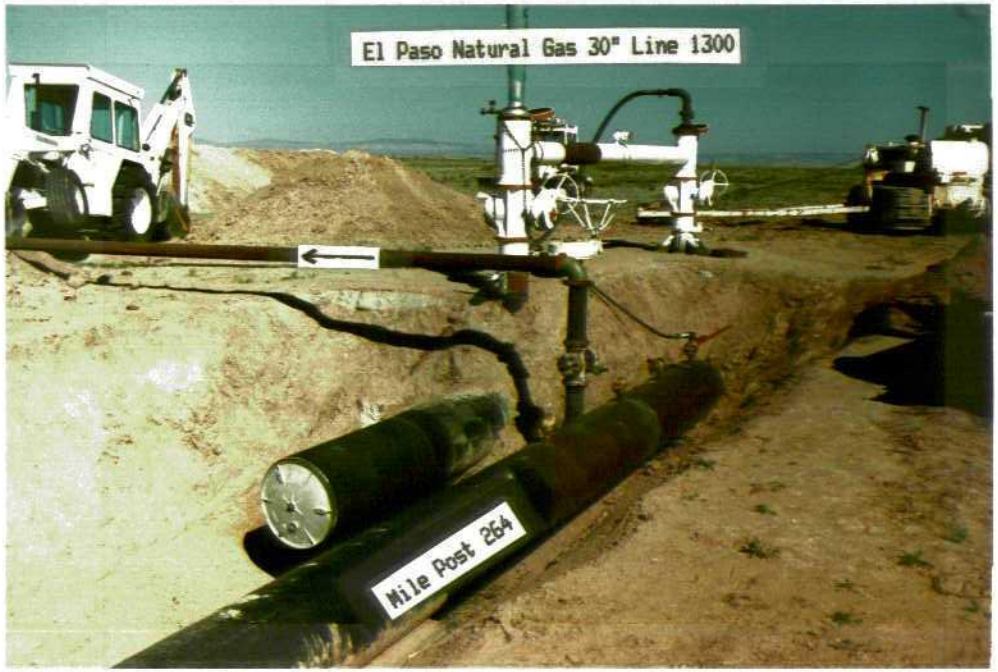
LEG:cds

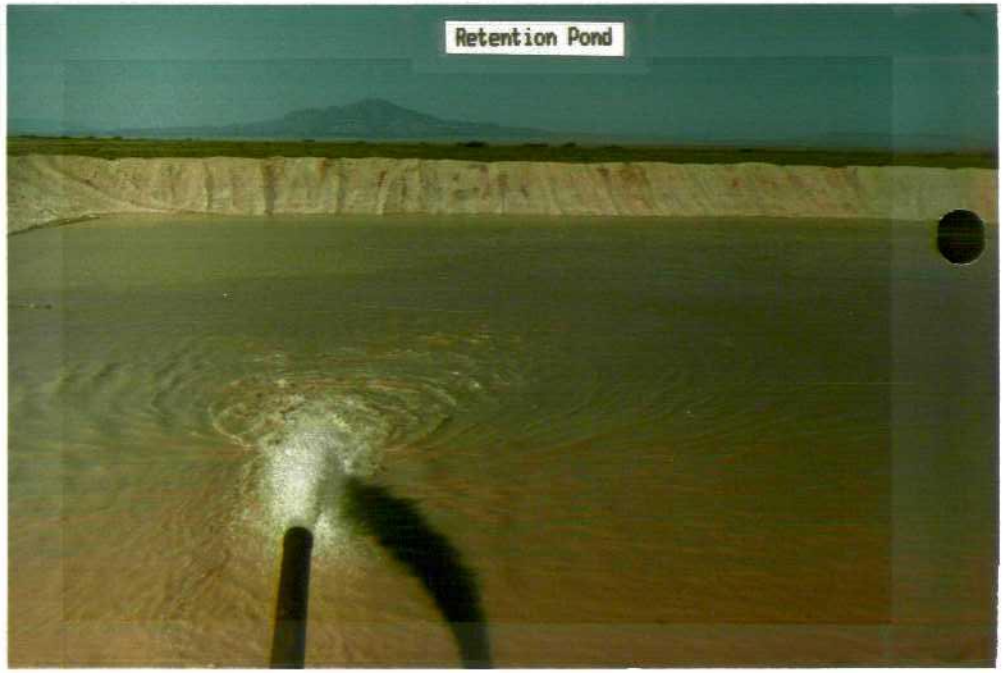
Enclosures

bcc: J. C. Bridges
K. T. Bowden
K. E. Beasley
File: 24300 Waste Discharge (Hydrostatic Tests)



El Paso Natural Gas 30" Line 1300





ASSAIGAI ANALYTICAL LABORATORIES

TO: El Paso Natural Gas
ATTN: Loren Gearhart
PO Box 1492
El Paso, TX 79978

DATE: June 30, 1988
WORK ORDER NO: 2778

SAMPLE ID: Begin Hydrotest, 30" Line 1300, MP259.

ANALYTE	ANALYTICAL RESULTS	NOMINAL DETECTION LIMIT
As	0.068 mg/l	0.020 mg/l
Ba	1.28 mg/l	0.50 mg/l
Cd	<0.01 mg/l	0.005 mg/l
Cr	<0.05 mg/l	0.025 mg/l
Pb	0.070 mg/l	0.005 mg/l
Hg	<0.002 mg/l	0.001 mg/l
Se	<0.01 mg/l	0.005 mg/l
Ag	<0.05 mg/l	0.01 mg/l
Ca	86.10 mg/l	0.25 mg/l
P	0.33 mg/l	0.01 mg/l
Mg	13.18 mg/l	0.01 mg/l
Na	88.25 mg/l	0.02 mg/l
Cl	27.8 mg/l	1.0 mg/l
Duplicate	26.8 mg/l	1.0 mg/l
SO 4	136.9 mg/l	1.0 mg/l
TDS	432 mg/l	1 mg/l
Fe	2.60 mg/l	0.10 mg/l
Benzene	<1 ug/l	1 ug/l
Toluene	<1 ug/l	1 ug/l
Xylenes	<1 ug/l	1 ug/l
Total Naphthalenes and Monomethyl Naphthalenes	11 ug/l	1 ug/l

An invoice for services is enclosed. Thank you for contacting Assaigai Laboratories.

Sincerely,

Balwant Chauhan, Ph.D.
Laboratory Director

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964

ASSAIGAI ANALYTICAL LABORATORIES

TO: El Paso Natural Gas
ATTN: Loren Gearhart
PO Box 1492
El Paso, TX 79978

DATE: June 30, 1988
WORK ORDER NO: 2778

SAMPLE ID: Mdpt. Hydrotest, 30" Line 1300, MP259.

ANALYTE	ANALYTICAL RESULTS	NOMINAL DETECTION LIMIT
As	<0.05 mg/l	0.020 mg/l
Ba	<1.0 mg/l	0.50 mg/l
Cd	<0.01 mg/l	0.005 mg/l
Cr	<0.05 mg/l	0.025 mg/l
Pb	<0.05 mg/l	0.005 mg/l
Hg	<0.002 mg/l	0.001 mg/l
Se	<0.01 mg/l	0.005 mg/l
Ag	<0.05 mg/l	0.01 mg/l
Ca	59.50 mg/l	0.25 mg/l
P	0.42 mg/l	0.01 mg/l
Mg	10.80 mg/l	0.01 mg/l
Na	70.0 mg/l	0.02 mg/l
Cl	26.8 mg/l	1.0 mg/l
SO 4	141.3 mg/l	1.0 mg/l
TDS	440 mg/l	1 mg/l
Fe	1.99 mg/l	0.10 mg/l
Benzene	<1 ug/l	1 ug/l
Toluene	<1 ug/l	1 ug/l
Xylenes	<1 ug/l	1 ug/l
Total Naphthalenes and Monomethyl Naphthalenes	6.3 ug/l	1 ug/l

An invoice for services is enclosed. Thank you for contacting Assaigai Laboratories.

Sincerely,

Balwant Chauhan, Ph.D.
Laboratory Director

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964

ASSAIGAI ANALYTICAL LABORATORIES

TO: El Paso Natural Gas
ATTN: Loren Gearhart
PO Box 1492
El Paso, TX 79978

DATE: June 30, 1988
WORK ORDER NO: 2778

SAMPLE ID: Endpt. Hydrotest, 30" Line 1300, MP259.

ANALYTE	ANALYTICAL RESULTS	NOMINAL DETECTION LIMIT
As	<0.05 mg/l	0.020 mg/l
Ba	<1.0 mg/l	0.50 mg/l
Cd	<0.01 mg/l	0.005 mg/l
Cr	<0.05 mg/l	0.025 mg/l
Pb	<0.05 mg/l	0.005 mg/l
Hg	<0.002 mg/l	0.001 mg/l
Se	<0.01 mg/l	0.005 mg/l
Ag	<0.05 mg/l	0.01 mg/l
Ca	60.40 mg/l	0.25 mg/l
P	0.55 mg/l	0.01 mg/l
Duplicate	0.41 mg/l	0.01 mg/l
Mg	9.85 mg/l	0.01 mg/l
Na	67.0 mg/l	0.02 mg/l
Cl	26.8 mg/l	1.0 mg/l
SO 4	128.3 mg/l	1.0 mg/l
TDS	430 mg/l	1 mg/l
Fe	1.51 mg/l	0.10 mg/l
Benzene	<1 ug/l	1 ug/l
Toluene	<1 ug/l	1 ug/l
Xylenes	<1 ug/l	1 ug/l
Total Naphthalenes and Monomethyl Naphthalenes	5.1 ug/l	1 ug/l

An invoice for services is enclosed. Thank you for contacting Assaigai Laboratories.

Sincerely,

Balwant Chauhan, Ph.D.
Laboratory Director

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964

ASSAIGAI ANALYTICAL LABORATORIES

TO: El Paso Natural Gas
ATTN: Loren Gearhart
PO Box 1492
El Paso, TX 79978

DATE: June 30, 1988
WORK ORDER NO: 2778

SAMPLE ID: Pond

ANALYTE	ANALYTICAL RESULTS	NOMINAL DETECTION LIMIT
As	0.272 mg/l	0.020 mg/l
Ba	3.12 mg/l	0.50 mg/l
Cd	<0.01 mg/l	0.005 mg/l
Cr	<0.05 mg/l	0.025 mg/l
Pb	0.080 mg/l	0.005 mg/l
Hg	<0.002 mg/l	0.001 mg/l
Se	<0.01 mg/l	0.005 mg/l
Ag	<0.05 mg/l	0.01 mg/l
Ca	137.80 mg/l	0.25 mg/l
P	0.73 mg/l	0.01 mg/l
Mg	17.60 mg/l	0.01 mg/l
Na	94.50 mg/l	0.02 mg/l
Cl	34.7 mg/l	1.0 mg/l
SO 4	141.3 mg/l	1.0 mg/l
TDS	466 mg/l	1 mg/l
Fe	6.88 mg/l	0.10 mg/l
Benzene	<1 ug/l	1 ug/l
Toluene	<1 ug/l	1 ug/l
Xylenes	<1 ug/l	1 ug/l
Total Naphthalenes and Monomethyl Naphthalenes	38 ug/l	1 ug/l

An invoice for services is enclosed. Thank you for contacting Assaigai Laboratories.

Sincerely,

Balwant Chauhan, Ph.D.
Laboratory Director

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964

ASSAIGAI ANALYTICAL LABORATORIES

TO: El Paso Natural Gas
ATTN: Loren Gearhart
PO Box 1492
El Paso, TX 79978

DATE: June 30, 1988
WORK ORDER NO: 2778

SAMPLE ID: Field Blank (from the Upper Sabinal Riverside Drain)

ANALYTE	ANALYTICAL RESULTS	NOMINAL DETECTION LIMIT
As	<0.05 mg/l	0.020 mg/l
Ba	<1.0 mg/l	0.50 mg/l
Cd	<0.01 mg/l	0.005 mg/l
Cr	<0.05 mg/l	0.025 mg/l
Pb	<0.05 mg/l	0.005 mg/l
Hg	<0.002 mg/l	0.001 mg/l
Se	<0.01 mg/l	0.005 mg/l
Ag	<0.05 mg/l	0.01 mg/l
Ca	66.90 mg/l	0.25 mg/l
P	0.59 mg/l	0.01 mg/l
Mg	9.98 mg/l	0.01 mg/l
Na	71.75 mg/l	0.02 mg/l
Cl	26.8 mg/l	1.0 mg/l
SO 4	143.5 mg/l	1.0 mg/l
TDS	452 mg/l	1 mg/l
Fe	0.455 mg/l	0.10 mg/l
Benzene	*	1 ug/l
Toluene	*	1 ug/l
Xylenes	*	1 ug/l
Total Naphthalenes and Monomethyl Naphthalenes	<1 ug/l	1 ug/l

* Not able to perform analysis due to improper sample container.

An invoice for services is enclosed. Thank you for contacting Assaigai Laboratories.

Sincerely,

Balwant Chauhan, Ph.D.
Laboratory Director

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964

El Paso
Natural Gas Company

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

April 15, 1988

T
David B

Mr. William J. LeMay, Director
Energy, Minerals and Natural Resources Dept.
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Subject: Disposal of Hydrotest Water from 30" Line 1300
Near El Paso Natural Gas Co.'s Mile Post 264

Dear Mr. LeMay:

In accordance with your letter request dated February 24, 1988, I am enclosing the landowner's permission to construct and use a pit to accommodate the water from the hydrotest scheduled for June 11, 1988.

Sincerely,

L. E. Gearhart

Loren E. Gearhart, P.E.
Sr. Environmental Engineer
Environmental & Safety Affairs

ka

Enclosure

cc: Roger Anderson - NMOCD

El Paso Natural Gas Company

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

March 1, 1988

Mr. Bob Cullins
703 E. River Road
Belen, New Mexico 87002

Re: R/W 880185 - Hydrostatic Test; Line from Plain Station to San Juan Line, M.P. 256-264; Valencia County, New Mexico

Dear Mr. Cullins:

Pursuant to agreements made between El Paso and Elizabeth Watson, record owner of Lots 458, 467 and 470, Ranch Rio Grande Subdivision (Unsurveyed Lands, Township 5 North, Range 1 East, Valencia County), permission is hereby granted to El Paso Natural Gas Company for use of the Lots for the purpose of constructing a disposal pit site to accommodate hydrostatic test water.

Disposal operations will be restricted to the pit site and the area restored to the condition that existed prior to our use.

All State of New Mexico environmental rules and regulations will be strictly adhered to by El Paso.

If you are in agreement with the above, please indicate your acceptance by signing in the space provided and return two copies for our records.

Your cooperation is most appreciated.

Very truly yours,

Bruce Meyerson
Senior Right of Way Negotiator
Right of Way Department

BM/yf

AGREED TO AND ACCEPTED this 3d day of MARCH, 1988.

By ______ AGENT
FOR: ELIZABETH WATSON

El Paso
Natural Gas Company

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

February 17, 1988

Mr. Roger C. Anderson
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Subject: Contingency Plan for the Failure of the Proposed Hydrotest of El Paso Natural Gas Company's 30" Line 1300 at M.P. 259 in Valencia County

Dear Mr. Anderson:

Failure during the proposed hydrotest has the potential of contaminating groundwater or a natural waterway. The test covers approximately 8,400 feet of pipe between Points A and C on the enclosed EPNG Dwg. No. 1300.0-52, Rev. J. The elevation at Point A is 4,836 and slopes to 4,780 at the Bosque Drain (Point B). From Point B to Point C the slope is essentially flat.

Prior to any testing, EPNG plans to scrub and flush the entire test section with 30,000 gallons of water. This water will be removed from the test section prior to the filling operation for the hydrotest. It will be disposed of at one of the disposal sites proposed in my letter to you dated February 1, 1988. This cleaning should remove virtually all contaminates from the test section and thereby mitigate groundwater contamination in the event of a pipe failure during the hydrotest.

The greatest potential for an environmental impact is to both the Bosque Drain (Point B) and the Sabinal Riverside Drain (Point C). EPNG proposes to be prepared to dam up these drains both upstream and downstream until the water can be pumped out and hauled to the approved disposal site. In all other areas between Points A and C, EPNG proposes to be prepared to throw up berms to contain the water to the smallest area possible and then transfer the water to the approved disposal site. If soil is contaminated by the hydrotest water, the soil will be removed and replaced.

EPNG trusts that this plan will be acceptable to the NMOCD and that your written approval will be forthcoming soon.

Thank you.

Sincerely,

L. E. Gearhart, P.E.
Sr. Environmental Engineer
Environmenal and Safety Affairs

ka

Enclosure

El Paso
Natural Gas Company

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

February 1, 1988

Mr. Roger C. Anderson
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Subject: Disposal of Hydrotest Water from 8,500' of 30" Line 1300 at Mile Post 259 in Valencia County

Dear Mr. Anderson:

Per our phone conversation yesterday, I am enclosing several maps showing two sites El Paso Natural Gas (EPNG) is proposing for the disposal of 300,000 gallons of hydrotest water from used pipe. Site #1 is located near Mile Post 261 on EPNG Dwg. No. 1300.0-52. If Site #1 is used, the water would be pumped via a temporary pipe from the test site to an unlined pit. Site #2 is located near Mile Post 264 on EPNG Dwg. No. 1300.0-53. If Site #2 is used, the water would be transported through the existing 30" gas line to Valve #26 where it would be discharged into an unlined pit. When all of the water has evaporated the disposal site would be restored to the original grade. We will contact the landowners for their approvals once the disposal site is chosen. Please let us know your concurrence with either or both of the sites proposed.

EPNG is working on developing a contingency plan in the event the hydrotest fails. If you have any questions, please feel free to call me at 915/541-5341.

Very truly yours,

L. E. Gearhart, P.E.
Sr. Environmental Engineer

ka

Enclosures

Plate 2

DEPTH-TO-WATER MAP FOR THE RIO GRANDE GRABEN IN VALENCIA COUNTY, N. MEX.

Roger Anderson NMOCD
505/827-5[redacted]

1/3 2/4

[redacted]

6" - B.C. Ringer Well T5N R1E Sec 28.114 - 4 apm
5198' elev. [393.1' to water] ← Roger, I think this well is located at the windmill shown ≈ 2000 ft south of "Valve 26".

PO Box 2088
Santa Fe, 87504-2088

107°22'30"
31°52'30"

GROUND-WATER REPORT 7

Geology and Ground-Water Conditions in Eastern Valencia County, New Mexico

by FRANK B. TITUS, JR.

UNITED STATES GEOLOGICAL SURVEY

Prepared in co-operation with the
New Mexico Institute of Mining and Technology
State Bureau of Mines and Mineral Resources,
and the New Mexico State Engineer

1963

STATE BUREAU OF MINES AND MINERAL RESOURCES
NEW MEXICO INSTITUTE OF MINING & TECHNOLOGY
CAMPUS STATION SOCORRO, NEW MEXICO

Plate 2

DEPTH-TO-WATER MAP FOR THE RIO GRANDE GRABEN IN VALENCIA COUNTY, N. MEX.

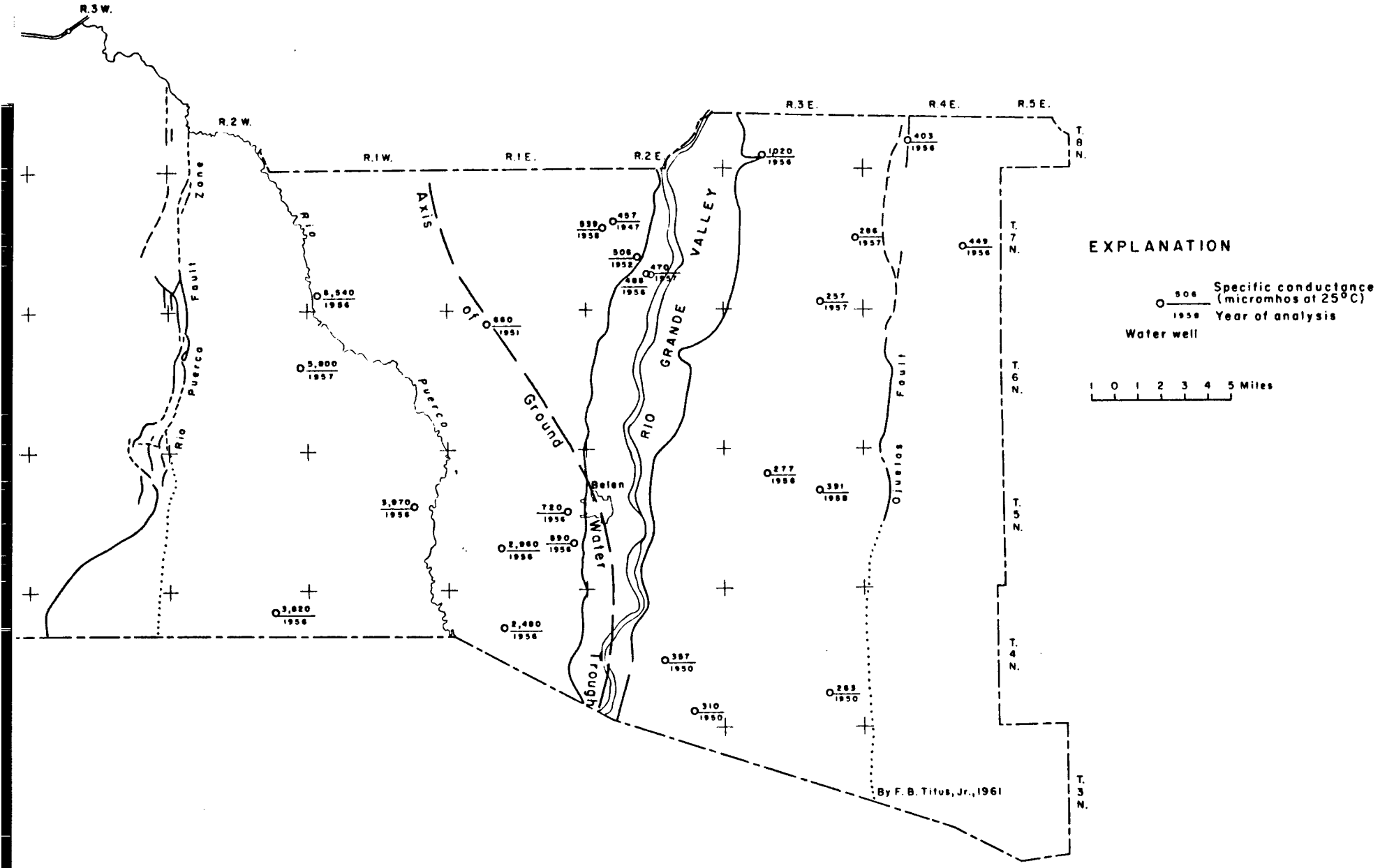


Plate 6

SPECIFIC CONDUCTANCE OF GROUND WATER FROM THE SANTA FE GROUP IN EASTERN VALENCIA COUNTY, N. MEX.

OWNERSHIP

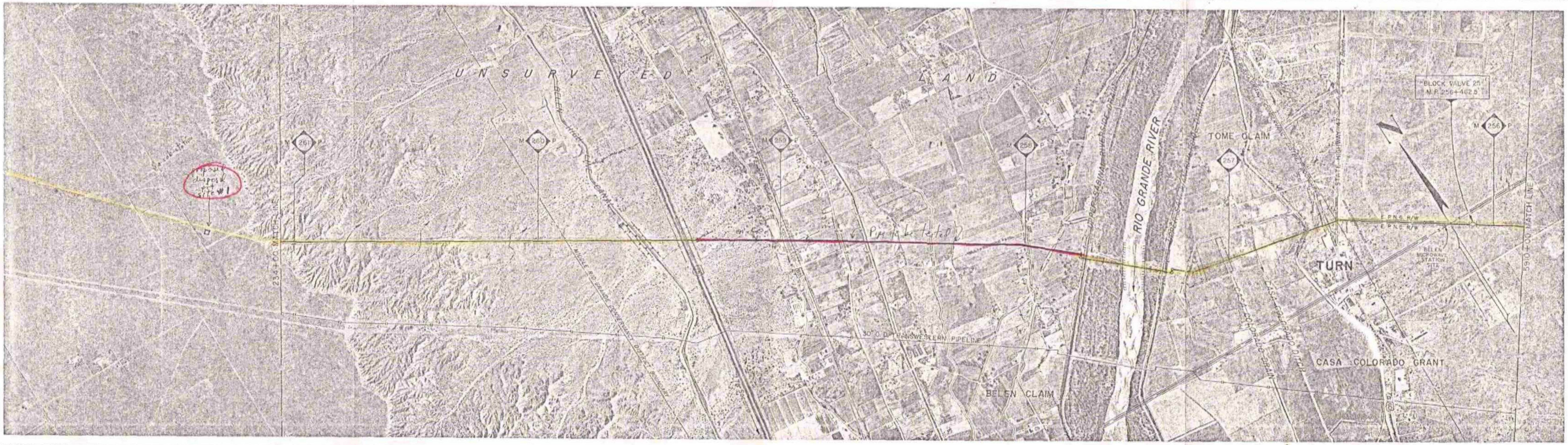
EDUARDO SANCHEZ | MIDDLE RIO GRANDE CONSERVANCY DISTRICT | INTERSTATE HWY 25 | MIDDLE RIO GRANDE CONSERVANCY DISTRICT | U.S. HIGHWAY 85 | MIDDLE RIO GRANDE CONSERVANCY DISTRICT | RUMALDO GARCIA | STATE HIGHWAY 47 | RUMALDO GARCIA | CAMPBELL FARMING CORP | TAX COMMISSION STATE OF NEW MEXICO ASSESSED TO HEIRS OF ALFREDO GATIERRAS 1/2 INTEREST A. A. GATIERRAS 1/2 INTEREST

RODS

376.000 | 144.273 | 19.727 | 126.188 | 747.509 | 2.388 | 23.061 | 121.303 | 97.448

ALIGNMENT

234+00 MATCH LINE
232+91.2 M.P. 261
219+84 ℄ WASH
203+43 ℄ WASH
SURVEY & ℄ PIPE
183+98 ℄ WASH
178+11.2 M.P. 260
171+96 PROP. LINE
N58°34'W
157+77.7 FENCE
156+39 ℄ LEVEE
155+71 ℄ CANAL
155+10 ℄ ROAD
155+00 ℄ LEVEE
148+15.5 R/W LINE
146+52.6 ℄ HWY.
144+90 R/W LINE
144+50.6 FENCE
135+37 ℄ WASH
130+23 HSE. TIE RT.
127+09 ℄ TRAIL
125+31.2 M.P. 259
126+00 Δ 0°51' LT.
124+86 ℄ DITCH
124+47.8 POLE LINE
124+28.2 4" GAS LINE
124+07.9 ℄ HWY.
123+67 TEL. CABLE
123+56 ℄ R.R.
122+70.1 POLE LINE
122+62.1 FENCE
122+59 FENCE
112+64.3 FENCE
112+30 ℄ ROAD
112+00.6 FENCE & POLE LINE
107+96.3 FENCE
107+12.7 FENCE
106+58 ℄ DRAIN
99+52.1 FENCE
92+87 FENCE
92+57 ℄ DITCH
87+91 ℄ TRAIL
79+67 ℄ ROAD
79+23.4 FENCE
79+00 POWER LINE
72+51.2 M.P. 258
N57°43'W
73+00 Δ 8°29' LT.
72+36.9 PC. PWR. LN. & CABLE
72+05.3 ℄ ROAD
71+62 ℄ DITCH
66+53 ℄ DITCH
65+91.9 FENCE
62+66 PIPE P.I.
61+22.3 PIPE P.I.
N49°14'W
60+32.4 Δ 90°00' LT.
S40°46'W
59+32.4 Δ 90°00' RT.
60+22.4 X-OVER & PIPE P.I.
59+22.3 PIPE P.I.
58+42.3 FENCE
57+87.3 ℄ DRAIN
49+04.7 WEST BANK
46+65.2 ℄ RIVER
44+25.7 EAST BANK
40+86.4 ℄ DRAIN
40+10.7 FENCE
39+09.1 PIPE P.I.
N49°14'W
38+99 Δ 90°00' RT.
S40°46'W
37+99 Δ 90°00' LT.
38+09 X-OVER & PIPE P.I.
34+68.6 FENCE
34+04 ℄ DITCH
33+82.5 FENCE
33+49 PIPE P.I.
N49°14'W
33+30.7 Δ 28°40' RT.
31+74 FENCE
30+74 ℄ DITCH
26+08.3 FENCE
25+06.2 M.P. 257
25+03.9 FENCE
18+84 ℄ DITCH
7+89.5 CPS 153 & FENCE
7+44 ℄ ROAD
7+16 ℄ CANAL
6+75.3 FENCE
3+66.4 FENCE
2+87.8 ℄ ROAD
2+00 TEL. CABLE PIPE P.I.
1+00
0+87.6 POWER LINE
0+74 PROP. LINE
0+34.6 ℄ HWY.
N77°54'W
EQUATION 0+00 AHD. 5°22' LT. 5949+55.3 BK.
5949+10.3 PIPE P.I.
5946+10.6 POWER LINE
5946+09.4 FENCE
60' R/W
E.P.N.G. R/W
30'
N56°29'W
5931+37.8 Δ 0°22' LT.
60' R/W
5928+07.9 FENCE & GRANT LINE
55.1'
55.5'
103.2'
BELEN MICROWAVE STA. SITE
5916+46.5 M.P. 256
N56°07'W
5910+00 MATCH LINE



MATERIAL DETAIL

234+00 MATCH LINE
W.O. 13015 — W.O. S-1865 — W.O. 13015 — W.O. 16004 — W.O. 13015
157+80 END F.G. & FELT DOUBLE WRAP BEGIN FIBERGLASS SINGLE WRAP
156+54.6
149+02.6
144+02.9
BELEN C.G. 125+46.2 (20-520-01) (30-384-01) 30. UNION
124+57
124+28.2
123+67
C.A. MOORE 120+03.2 (27-279-01)
E. LOPEZ 112+66 (26-782-01) 30. UNION
106+71.5
106+45.5
104+19.2
H.J. CHAVES 93+59 (27-362-01) 30. UNION
72+36.9
60+42.3 END BRIDGE PIPE
RIO GRANDE RIVER CROSSING
GALLUP PIPELINE DIST. — LINCOLN PIPELINE DIST.
SUSPENSION BRIDGE 2,248.3'-30" X .375"
37+73.8 BEG. BRIDGE PIPE
25+90
25+28
13+00 END PITT. STD. BEG. BARRETTS MILLWRAP
7+89.5
2+00
CPS 153
EQUATION 0+00 AH. 5949+55.3 BK.
5948+92.7
5948+08 END F.G. SINGLE WRAP BEGIN F.G. & FELT DOUBLE WRAP
BELEN C.G. NO. 2 5926+58 (20-580-01)
5921+31.6
5921+24.1
5921+09
5921+03.9
5920+96.2
5910+00 MATCH LINE

7,636'-30" X .335" | 80.1'-30" X .335" | 794.9'-30" X .375" | 499.7'-30" X .500" | SPAN | 8,369.3'-30" X .375" | 2,463.7'-30" X .375" | SPAN | 1,374.1'-30" X .375" | 84.2'-30" X .335" | 2,673.1'-30" X .335" | 35.4'-30" X .375" | 1,096'-30" X .335"

12" | 12" | 12" | 24" - 400#

155+54.2 / 207.9'-34" X .375" CASING / 154+46.3 — BELEN HIGH LINE CANAL
INT. HWY. 25
124+55.8 / 194.3'-34" X .375" CASING / 123+61.5 — U.S. HWY. 85
72+36.1 / 97.3'-34" X .375" CASING / 71+38.8 — IRR. DITCH
62+66 FACE OF MAIN ANCHOR
59+22.3
59+16.1 REST PIER #1
53+91.1 MAIN PIER #1
46+65.2
43+40.3 MAIN PIER #2
39+15.3 REST PIER #2
39+09.1
35+65.3 FACE OF MAIN ANCHOR
0+88.7 / 102.8'-34" X .375" CASING / 5949+41.2 — STATE HWY. 47

ELEV VA 25 4,880'

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

LEGEND

WELD O-LET — WELD SADDLE — WELD TEE — SPLIT TEE — WELD ELL — VENT & SIZE — DRIP — BOLT-ON RIVER WEIGHT — SET-ON RIVER WEIGHT — ELECTROLYSIS TEST LEAD — WELD CAP — WELD REDUCER — FLANGES — BLOW-OFF & SIZE — CATHODIC PROTECTION STATION & NO. — CONC. ANCHOR & ANCHOR FLANGE — METER RUN — PLUG VALVE - SIZE & RATING — GATE VALVE - SIZE & RATING — BALL VALVE - SIZE & RATING — CHECK VALVE - SIZE & RATING — REGULATOR - SIZE & RATING — SOLID VALVE DENOTES FULL OPENING

MATERIAL DATA

PIPE	COATING
30" O.D. X .335" W.T. PIPE - X52 - E.W. - A.O. SMITH	PRIMER - PITTSBURGH STANDARD
30" O.D. X .375" W.T. PIPE - X52 - E.W. - A.O. SMITH	ENAMEL - PITTSBURGH STANDARD
30" O.D. X .375" W.T. PIPE	WRAP - FIBERGLASS
30" O.D. X .500" W.T. PIPE	
	PRIMER - PITTSBURGH STANDARD
34" O.D. X .375" W.T. CASING	ENAMEL - PITTSBURGH STANDARD
	WRAP - FIBERGLASS & FELT
	PRIMER - BARRETTS MILLWRAP
	ENAMEL - BARRETTS MILLWRAP
	WRAP - FIBERGLASS & FELT
	PRIMER - BARRETTS MILLWRAP
	ENAMEL - BARRETTS MILLWRAP
	WRAP - FIBERGLASS

REFERENCE DRAWINGS

1000.2-6	Rio Grande Pipeline Suspension Bridge
1300.0-42	Original Drawing
1300.0-43	Original Drawing
1300.9-X-18	Belen Grant Mtr. Sta.
1300.10-X-1	CPS 153
1300.11-X-15	Belen Microwave Sta. Diagrammatic Plat (Lincoln District)

REVISIONS

NO.	DATE	BY	DESCRIPTION
G	11-5-76	AG	Redrawn Per 1974 Photography
H	7-25-79	AG	Redrawn Per 1978 Photography
I	5-28-82	AG	Redrawn Per 1981 Photography & Misc. Revisions
J	4-1-85	AG	Redrawn Per 1984 Photography & Misc. Revisions

GEODETIC POSITIONS

MON.	COORDINATE

WORK ORDER

DATE	NO.
1953-54	13015
1953	16004
1958	S-1865

ENGINEERING RECORD

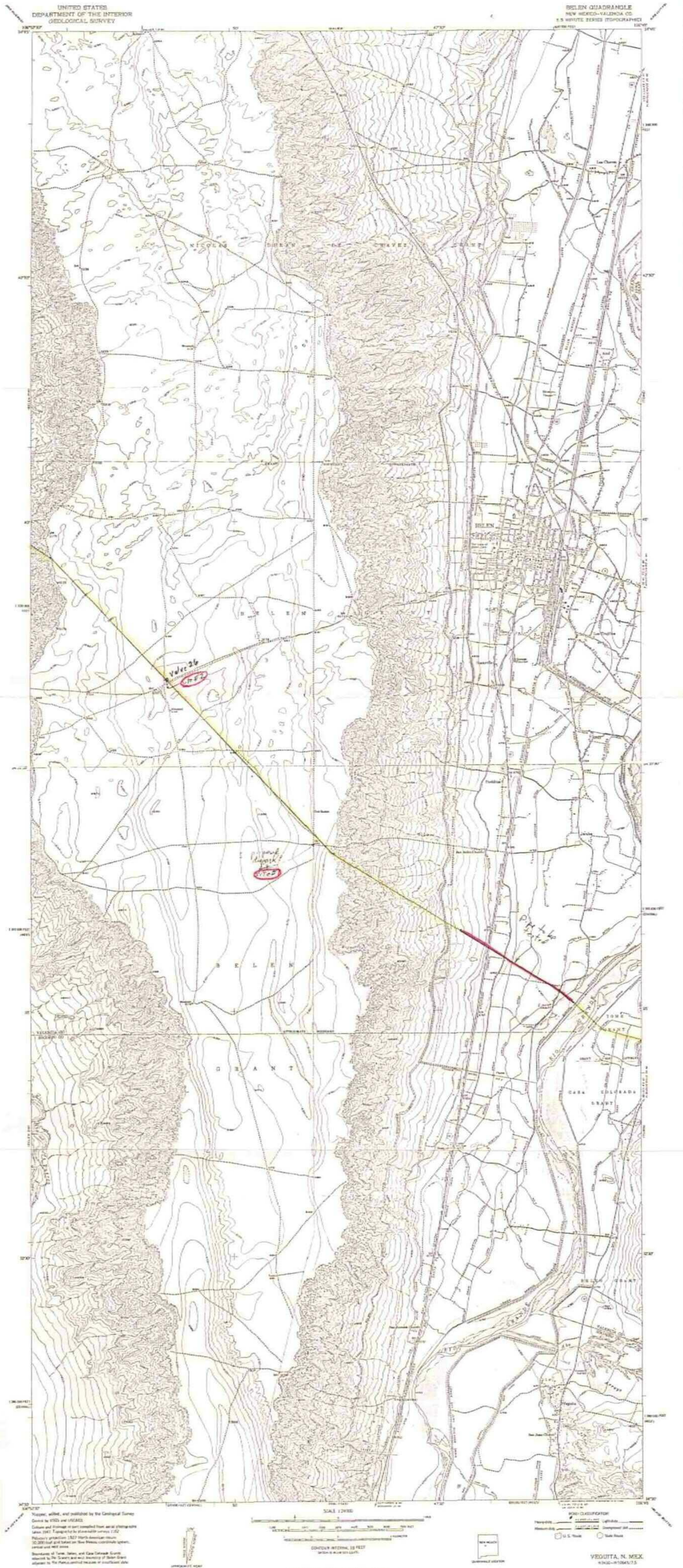
DRAWN BY	Aero-Graphics
TRACED BY	
CHECKED BY	Aero-Graphics
APPROVED	
DATE	6-27-67
PHOTO DATE	3-24-84
PHOTO RE-CHECK	

0 1000 2000 3000 SCALE IN FEET

El Paso Natural Gas Company
ENGINEERING DRAFTING DIVISION

LINE FROM PLAINS STATION TO SAN JUAN LINE
M.P. 255+4,633.5' TO M.P. 261+308.8'
TWS. 4-N & 5-N, RANGE 2-E & 1-E
VALENCIA COUNTY, NEW MEXICO

DWG. NO. 1300.0-52 — REV. J


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
BELEN QUADRANGLE
NEW MEXICO–VALENCIA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NICOLAS DURAN DE CHAVEZ GRANT
BELEN
BELEN GRANT
TOME GRANT
CASA COLORADA GRANT
Valve 26
Mapped, edited, and published by the Geological Survey
SCALE 1:24000
CONTOUR INTERVAL 10 FEET
ROAD CLASSIFICATION
U.S. Route
State Route
VEGUITA, N. MEX.
1952
FOR SALE BY U. S. GEOLOGICAL SURVEY, FEDERAL CENTER, DENVER, COLORADO OR WASHINGTON 25, D. C.

OWNERSHIP

S. A. McLEOD	CAMPBELL FARMING CORPORATION	U.S. ARMY ROAD	CAMPBELL FARMING CORPORATION	MRS. U. M. GARCIA JR.	EDUARDO SANCHEZ

RODS

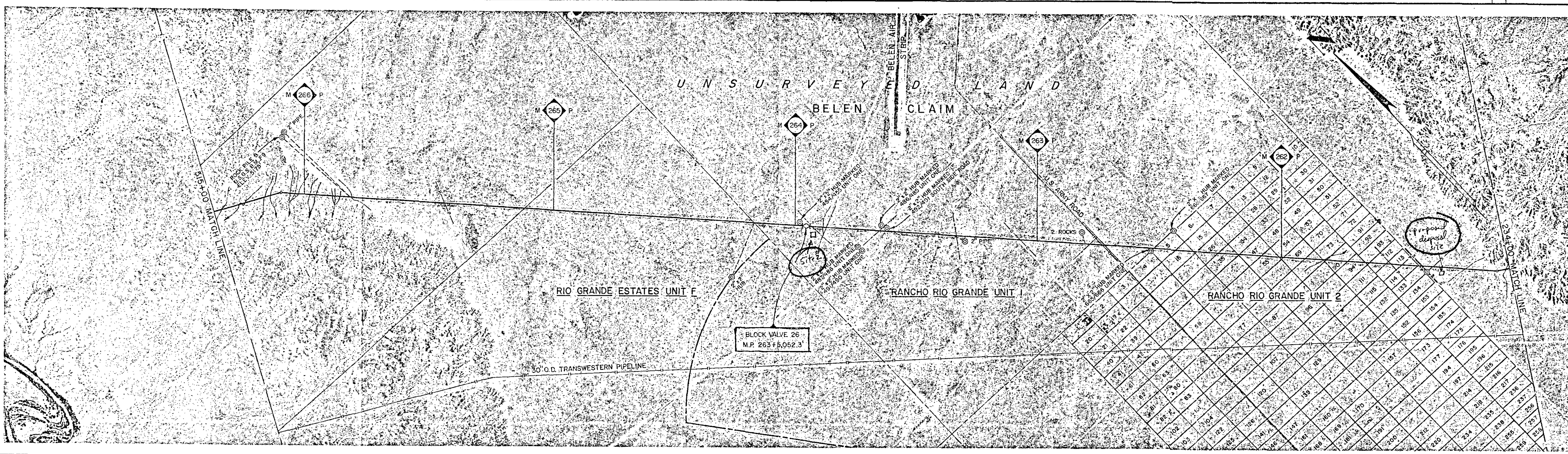
403 400	763 436	420.400	13.933	101.861

ALIGNMENT

515+00 MATCH LINE

513+43 ℄ WASH
509+00 ℄ WASH
508+30 ℄ WASH
507+67 ℄ WASH
503+66 ℄ WASH
502+29 ℄ WASH
497+83 ℄ WASH
496+88 ℄ WASH
496+00 ℄ WASH
494+91.2 M.P. 266
493+53 ℄ WASH
492+48 ℄ WASH
488+68 ℄ WASH
488+00 ℄ WASH
486+92 ℄ WASH
N10°17'W - 1890.5' ROCK PILE
485+00 TIES
N 9°20'W - 1967.2' PIPE
484+44 ℄ ROAD
465+76.7 POWER LINE E.P.E. CO. (NEWMAN - ALBUQUERQUE)
448+43.9 PROP. LINE
442+11.2 M.P. 265
400+00 SUBDIVISION LINE & TIE
S68°59'W - 1277.5' HUB
389+31.2 M.P. 264
N 0°18'E - 52' HUB
388+54.4 TIE
386+00 ℄ ROAD
383+50 ℄ ROAD
382+69 ℄ ROAD
S89°43'E - 127.7' HUB
372+53.1 TIE
371+86.1 ℄ ROAD
S89°43'E - 70.4' HUB
371+02.9 TIE
355+00 TIE
S27°49'E - 316.1' PIPE
354+57 ℄ ROAD
340+80.2 TEL. CABLE
336+51.2 M.P. 263
N31°15'E - 242.9' ROCKS
326+00 TIE
325+25 ℄ ROAD
322+64.2 3" WATER LN.
322+47.2 ℄ ROAD
310+70.5 SUBDIVISION LINE
907' HUB
283+71.2 M.P. 262
275+52 ℄ WASH
259+69 PWR. LINE
253+48 PWR. LINE
253+20 ℄ ROAD
253+10.6 SUBDIVISION BOUNDARY
250+80.7 FENCE
243+73 ℄ ROAD
234+88 ℄ WASH
234+00 MATCH LINE

499+87.8 Δ 20°22' LT.
N 63°56' W
SURVEY & ℄ PIPE
N 43°34' W
237+00 Δ 15°00' RT.
N 58°34' W



MATERIAL DETAIL

515+00 MATCH LINE

W.O. 13015

387+26.1
387+20.6
387+03.5
386+96.2
386+90.5
368+20
340+80.2
322+97.8
322+64.2
321+96.6

12,849.2' - 30" X .335"

12' 10" 12"
24-30-400#
35.6' - 30" X .375"

ELEV. VA 26 5,195'

2.0'

101.2' - 10' X 10" CONC. SLAB

15,285.7' - 30" X .335"

SOCORRO CITY GATE 254+33.1 (30-132-01) SO. U. GAS

2"-600#

234+00 MATCH LINE

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

U.S. ARMY RD.

LEGEND

WELD-O-LET
WELD SADDLE
WELD TEE
SPLIT TEE
WELD ELL
VENT & SIZE
DRIP
BOLT-ON RIVER WEIGHT
SET-ON RIVER WEIGHT
ELECTROLYSIS TEST LEAD
WELD CAP
WELD REDUCER
FLANGES
BLOW-OFF & SIZE
CATHODIC PROTECTION STATION & NO.
CONC. ANCHOR & ANCHOR FLANGE
METER RUN
PLUG VALVE - SIZE & RATING
GATE VALVE - SIZE & RATING
BALL VALVE - SIZE & RATING
CHECK VALVE - SIZE & RATING
REGULATOR - SIZE & RATING
SOLID VALVE DENOTES FULL OPENING

MATERIAL DATA

PIPE	COATING
30" O.D. X .335" W.T. PIPE - X52 - E.W. - A.O. SMITH	PRIMER-BARRETTS MILLWRAP
30" O.D. X .375" W.T. PIPE - X52 - E.W. - A.O. SMITH	ENAMEL-BARRETTS MILLWRAP
	WRAP-FIBERGLASS

REFERENCE DRAWINGS

1300.0-44	Orig. Dwg.
PA3-PSJ-2	Main Line Valve Assemblies
SYS-17	Diagrammatic Plot
1300.5-2	Equation Map

REVISIONS

NO.	DATE	BY	DESCRIPTION
A	6-23-67	BSE	Redrawn Per Slack Chain Svy.
B	10-30-68	T.L.	Misc. Corrections
C	2-24-72	AG	Redrawn Per 1971 Photography
D	8-23-72	JW	Misc. Revisions
E	10-17-74	BSE	Misc. Revisions
F	9-75	LM	Misc. Revisions
G	10-15-76	AG	Photo Evaluated For Growth Per 1976 Photography & Misc. Revisions
H	7-26-78	AG	Redrawn Per 1978 Photography
I	5-28-82	AG	Redrawn Per 1981 Photography & Misc. Revisions

GEODETIC POSITIONS

MON	COORDINATE

WORK ORDER

DATE	NO.
1953	13015

ENGINEERING RECORD

DRAWN BY	Aero-Graphics
TRACED BY	
CHECKED BY	Aero-Graphics
APPROVED	
DATE	6-23-67
PHOTO DATE	7-21-81
PHOTO RE-CHECK	

El Paso Natural Gas Company
PIPELINE SERVICES DIVISION

LINE FROM PLAINS STATION TO SAN JUAN LINE
M.P. 261+308.8' TO M.P. 266+2,008.8'
TWS. 5-N, RANGE 1-E
VALENCIA COUNTY, NEW MEXICO

0 1000 2000 3000
SCALE IN FEET

DWG. NO. 1300.0-53 — REV. I

El Paso
Natural Gas Company

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

February 1, 1988

Mr. Roger C. Anderson
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Subject: Disposal of Hydrotest Water from Used Pipe near El Paso Natural Gas Co.'s Belen Compressor Station - Valencia County

Dear Mr. Anderson:

El Paso Natural Gas Company is planning to hydrotest 8500' of 30" used pipe sometime in May of this year. We are requesting your guidance on how to dispose of this water in an environmentally safe and economic manner.

Per our phone conversation today, I am enclosing the lab results showing the contaminant concentrations from two previous hydrotests. The samples from the Alamogordo test, which you and I observed, were taken from pipe that had been cleaned with soapy water prior to the hydrotest. The sample numbers and description are as follows:

S86-0058 - Source water
S86-0062 - Begin dewater
S86-0063 - Midpoint dewater
S86-0064 - End of dewater

The second test consisted of testing a 26" pipe and then using the water from the 26" pipe to hydrotest the 30" pipe. Each pipe was approximately 17 miles long and was dry pigged prior to the hydrotest. The sample numbers and description are as follows:

S86-0041 - Source water to 26" pipe
S86-0042 - Begin dewater 26" pipe
S86-0043 - Midpoint dewater 26" pipe
S86-0044 - End of dewater 26" pipe

S86-0023 - Source water transferred from 26" pipe to 30" pipe
S86-0024 - Begin dewater 30" pipe
S86-0025 - Midpoint dewater 30" pipe
S86-0026 - End of dewater 30" pipe
S86-0027 - Pond water from 30" pipe

Please feel free to call me at 915/541-5341 if you have any questions.

Very truly yours,

L. E. Gearhart, P.E.
Sr. Environmental Engineer

ka

Analytical Technologies, Inc. 2113 S. 48th Street Suite 110 Tempe, AZ 85282 (602) 438-1530

ACCESSION: PH-03-008760

PNA AND PHENOLS Alamogordo Hydrotest Source Water

CLIENT: EL PASO NAT GAS CO.
SAMPLE MATRIX: WATER
METHOD: 8310, HPLC
PROJECT: WATER SAMPLES
UNITS: ug/l

SAMPLE I.D.: S86-0058
DATE REC'D BY LAB: 09/15/86
DATE EXTRACTED: 09/19/86
DATE ANALYZED: 10/01/86
ANALYST: SD

	DETECTION LIMIT	RESULT
NAPHTHALENE	5	<5
ACENAPHTHYLENE	5	<5
ACENAPHTHENE	5	<5
FLUORENE	1	<1
PHENANTHRENE	1	<1
ANTHRACENE	1	<1
FLUORANTHENE	1	<1
PYRENE	1	<1
BENZO(a)ANTHRACENE	1	<1
CHRYSENE	1	<1
BENZO(b)FLUORANTHENE	1	<1
BENZO(k)FLUORANTHENE	1	<1
BENZO(a)PYRENE	1	<1
DIBENZO(a,h)ANTHRACENE	5	<5
BENZO (g,h,i)PERYLENE	1	<1
INDENO (1,2,3-cd)PYRENE	1	<1

COMMENTS:

AnalyticalTechnologies, Inc. 2113 S. 48th Street Suite 110 Tempe, AZ 85282 (602) 438-1530

ACCESSION: PH-03-008760

METHOD 601 & 602

CLIENT: EL PASO NAT GAS CO.
SAMPLE MATRIX: WATER
PROJECT: WATER SAMPLES
UNITS: ug/l

SAMPLE I.D.: S86-0058
DATE REC'D BY LAB: 09/15/86
DATE ANALYZED: 09/19/86
ANALYST: MGB

<0.02	CHLOROMETHANE
<0.06	BROMOMETHANE
N/D	DICHLORODIFLUOROMETHANE
<0.05	VINYL CHLORIDE
<0.1	CHLOROETHANE
104	METHYLENE CHLORIDE
N/D	TRICHLOROFLUOROMETHANE
<0.07	1.1-DICHLOROETHENE
<0.05	1.1-DICHLOROETHANE
<0.09	TRANS-1.2-DICHLOROETHENE
17.0	CHLOROFORM
<0.07	1.2-DICHLOROETHANE
<0.03	1.1.1-TRICHLOROETHANE
<0.08	CARBON TETRACHLORIDE
4.1	BROMODICHLOROMETHANE
<0.03	1.2-DICHLOROPROPANE
<0.11	TRANS-1.3-DICHLOROPROPENE
<0.06	TRICHLOROETHENE
<0.07	DIBROMOCHLOROMETHANE
<0.03	1.1.2-TRICHLOROETHANE
<0.07	CIS-1.3-DICHLOROPROPENE
<0.03	2-CHLOROETHYLVINYL ETHER
<0.09	BROMOFORM
<0.03	1.1.2.2-TETRACHLOROETHANE
<0.03	TETRACHLOROETHENE
<0.16	CHLOROBENZENE
<0.4	1.3-DICHLOROBENZENE
<0.4	1.2-DICHLOROBENZENE
<0.6	1.4-DICHLOROBENZENE
<0.2	BENZENE
<0.1	ETHYLBENZENE
<0.4	TOLUENE
<1.0	M-XYLENES
<1.0	O.P-XYLENES

COMMENTS: MDL 10 TIMES NORMAL DUE TO MATRIX.

Analytical Technologies, Inc. 2113 S. 48th Street Suite 110 Tempe, AZ 85282 (602) 438-1530

ACCESSION: PH-03-008760

CLIENT: EL PASO NATURAL GAS CO.
PROJECT: WATER SAMPLES
UNITS: mg/l

	SAMPLE S86-0058
ALUMINUM (Al).....	<0.21
BORON (B).....	0.8
COBALT (CO).....	<0.02
IRON (Fe).....	0.38
MANGANESE (Mn).....	0.03
MOLYBDENUM (Mo).....	<0.02
NICKEL (Ni).....	<0.01
ZINC (Zn).....	0.03

Analytical Technologies, Inc. 2113 S 48th Street Suite 110 Tempe, AZ 85282 (602) 438-1530

ACCESSION: PH-03-008760

6"-Line 2068
Alamogordo Hydrotest
Begin dewater - Used pipe

PNA AND PHENOLS

CLIENT: EL PASO NAT GAS CO.
SAMPLE MATRIX: WATER
METHOD: 8310, HPLC
PROJECT: WATER SAMPLES
UNITS: ug/l

SAMPLE I.D.: S86-0062
DATE REC'D BY LAB: 09/15/86
DATE EXTRACTED: 09/19/86
DATE ANALYZED: 10/01/86
ANALYST: SD

	DETECTION LIMIT	RESULT
NAPHTHALENE	5	<5
ACENAPHTHYLENE	5	<5
ACENAPHTHENE	5	<5
FLUORENE	1	<1
PHENANTHRENE	1	<1
ANTHRACENE	1	<1
FLUORANTHENE	1	<1
PYRENE	1	<1
BENZO(a)ANTHRACENE	1	<1
CHRYSENE	1	<1
BENZO(b)FLUORANTHENE	1	<1
BENZO(k)FLUORANTHENE	1	<1
BENZO(a)PYRENE	1	<1
DIBENZO(a,h)ANTHRACENE	5	<5
BENZO (g,h,i)PERYLENE	1	<1
INDENO (1,2,3-cd)PYRENE	1	<1

COMMENTS:

AnalyticalTechnologies, Inc. 2113 S. 48th Street Suite 110 Tempe, AZ 85282 (602) 438-1530

ACCESSION: PH-03-008760

METHOD 601 & 602

CLIENT: EL PASO NAT GAS CO.
SAMPLE MATRIX: WATER
PROJECT: WATER SAMPLES
UNITS: ug/l

SAMPLE I.D.: S86-0062
DATE REC'D BY LAB: 09/15/86
DATE ANALYZED: 09/19/86
ANALYST: MGB

52 FR 41534 limit ug/l		
	<0.02	CHLOROMETHANE
	<0.06	BROMOMETHANE
	N/D	DICHLORODIFLUOROMETHANE
2	<0.05	VINYL CHLORIDE
	<0.1	CHLOROETHANE
	<0.02	METHYLENE CHLORIDE
	N/D	TRICHLOROFLUOROMETHANE
7	<0.07	1,1-DICHLOROETHENE
	<0.05	1,1-DICHLOROETHANE
	<0.09	TRANS-1,2-DICHLOROETHENE
	2.5	CHLOROFORM
5	<0.07	1,2-DICHLOROETHANE
200	<0.03	1,1,1-TRICHLOROETHANE
5	<0.08	CARBON TETRACHLORIDE
	<0.04	BROMODICHLOROMETHANE
	<0.03	1,2-DICHLOROPROPANE
	<0.11	TRANS-1,3-DICHLOROPROPENE
5	<0.06	TRICHLOROETHENE
	<0.07	DIBROMOCHLOROMETHANE
	<0.03	1,1,2-TRICHLOROETHANE
	<0.07	CIS-1,3-DICHLOROPROPENE
	<0.03	2-CHLOROETHYLVINYL ETHER
	<0.09	BROMOFORM
	<0.03	1,1,2,2-TETRACHLOROETHANE
	<0.03	TETRACHLOROETHENE
	<0.16	CHLOROBENZENE
	<0.4	1,3-DICHLOROBENZENE
	<0.4	1,2-DICHLOROBENZENE
75	<0.6	1,4-DICHLOROBENZENE
5	<0.2	BENZENE
	<0.1	ETHYLBENZENE
	<0.4	TOLUENE
	<1.0	M-XYLENES
	<1.0	O,P-XYLENES

COMMENTS: MDL 10 TIMES NORMAL DUE TO MATRIX.

Analytical**Technologies,** Inc. 2113 S. 48th Street Suite 110 Tempe, AZ 85282 (602) 438-1530

ACCESSION: PH-03-008760

CLIENT: EL PASO NATURAL GAS CO.
PROJECT: WATER SAMPLES
UNITS: mg/l

	SAMPLE S86-0062	limit mg/l
ALUMINUM (Al).....	<0.21	
BORON (B).....	<0.5	
COBALT (CO).....	<0.02	
IRON (Fe).....	14.7	0.30
MANGANESE (Mn).....	0.20	0.05
MOLYBDENUM (Mo).....	<0.02	
NICKEL (Ni).....	<0.01	
ZINC (Zn).....	0.10	5.0

AnalyticalTechnologies, Inc. 2113 S. 48th Street Suite 110 Tempe, AZ 85282 (602) 438-1530

ACCESSION: PH-03-008760

6"-Line 2068

PNA AND PHENOLS Alamogordo Hydrotest
Midpoint - Dewater; Used pipe

CLIENT: EL PASO NAT GAS CO.
SAMPLE MATRIX: WATER
METHOD: 8310, HPLC
PROJECT: WATER SAMPLES
UNITS: ug/l

SAMPLE I.D.: S86-0063
DATE REC'D BY LAB: 09/15/86
DATE EXTRACTED: 09/19/86
DATE ANALYZED: 10/01/86
ANALYST: SD

	DETECTION LIMIT	RESULT
NAPHTHALENE	5	<5
ACENAPHTHYLENE	5	<5
ACENAPHTHENE	5	<5
FLUORENE	1	<1
PHENANTHRENE	1	<1
ANTHRACENE	1	<1
FLUORANTHENE	1	1.0
PYRENE	1	<1
BENZO(a)ANTHRACENE	1	<1
CHRYSENE	1	<1
BENZO(b)FLUORANTHENE	1	<1
BENZO(k)FLUORANTHENE	1	<1
BENZO(a)PYRENE	1	<1
DIBENZO(a,h)ANTHRACENE	5	<5
BENZO (g,h,i)PERYLENE	1	<1
INDENO (1,2,3-cd)PYRENE	1	<1

COMMENTS:

Analytical Technologies, Inc. 2113 S. 48th Street Suite 110 Tempe, AZ 85282 (602) 438-1530

ACCESSION: PH-03-008760

METHOD 601 & 602

CLIENT: EL PASO NAT GAS CO.
SAMPLE MATRIX: WATER
PROJECT: WATER SAMPLES
UNITS: ug/l

SAMPLE I.D.: S86-0063
DATE REC'D BY LAB: 09/15/86
DATE ANALYZED: 09/19/86
ANALYST: MGB

<0.02	CHLOROMETHANE
<0.06	BROMOMETHANE
N/D	DICHLORODIFLUOROMETHANE
<0.05	VINYL CHLORIDE
<0.1	CHLOROETHANE
<0.02	METHYLENE CHLORIDE
N/D	TRICHLOROFLUOROMETHANE
<0.07	1,1-DICHLOROETHENE
<0.05	1,1-DICHLOROETHANE
<0.09	TRANS-1,2-DICHLOROETHENE
3.9	CHLOROFORM
<0.07	1,2-DICHLOROETHANE
<0.03	1,1,1-TRICHLOROETHANE
<0.08	CARBON TETRACHLORIDE
<0.04	BROMODICHLOROMETHANE
<0.03	1,2-DICHLOROPROPANE
<0.11	TRANS-1,3-DICHLOROPROPENE
<0.06	TRICHLOROETHENE
<0.07	DIBROMOCHLOROMETHANE
<0.03	1,1,2-TRICHLOROETHANE
<0.07	CIS-1,3-DICHLOROPROPENE
<0.03	2-CHLOROETHYLVINYL ETHER
<0.09	BROMOFORM
<0.03	1,1,2,2-TETRACHLOROETHANE
<0.03	TETRACHLOROETHENE
<0.16	CHLOROBENZENE
<0.4	1,3-DICHLOROBENZENE
<0.4	1,2-DICHLOROBENZENE
<0.6	1,4-DICHLOROBENZENE
<0.2	BENZENE
<0.1	ETHYLBENZENE
<0.4	TOLUENE
<1.0	M-XYLENES
<1.0	O,P-XYLENES

COMMENTS: MDL 10 TIMES NORMAL DUE TO MATRIX.

Analytical Technologies, Inc. 2113 S. 48th Street Suite 110 Tempe, AZ 85282 (602) 438-1530

ACCESSION: PH-03-008760

CLIENT: EL PASO NATURAL GAS CO.
PROJECT: WATER SAMPLES
UNITS: mg/l

	SAMPLE S86-0063	
ALUMINUM (Al).....	<0.21	
BORON (B).....	<0.5	
COBALT (CO).....	<0.02	
IRON (Fe).....	36.34	0.30
MANGANESE (Mn).....	0.21	0.05
MOLYBDENUM (Mo).....	<0.02	
NICKEL (Ni).....	<0.01	
ZINC (Zn).....	0.15	5.0

Analytical**Technologies,** Inc. 2113 S. 48th Street Suite 110 Tempe, AZ 85282 (602) 438-1530

ACCESSION: PH-03-008760

6"- Line 2068

METHOD 601 & 602 Hanagarda Hydrotest
End of Dewater. Used pipe

CLIENT: EL PASO NAT GAS CO.
SAMPLE MATRIX: WATER
PROJECT: WATER SAMPLES
UNITS: ug/l

SAMPLE I.D.: S86-0064
DATE REC'D BY LAB: 09/15/86
DATE ANALYZED: 09/19/86
ANALYST: MGB

<0.02	CHLOROMETHANE
<0.06	BROMOMETHANE
N/D	DICHLORODIFLUOROMETHANE
<0.05	VINYL CHLORIDE
<0.1	CHLOROETHANE
<0.02	METHYLENE CHLORIDE
N/D	TRICHLOROFLUOROMETHANE
<0.07	1,1-DICHLOROETHENE
<0.05	1,1-DICHLOROETHANE
<0.09	TRANS-1,2-DICHLOROETHENE
2.5	CHLOROFORM
<0.07	1,2-DICHLOROETHANE
<0.03	1,1,1-TRICHLOROETHANE
<0.08	CARBON TETRACHLORIDE
<0.04	BROMODICHLOROMETHANE
<0.03	1,2-DICHLOROPROPANE
<0.11	TRANS-1,3-DICHLOROPROPENE
<0.06	TRICHLOROETHENE
<0.07	DIBROMOCHLOROMETHANE
<0.03	1,1,2-TRICHLOROETHANE
<0.07	CIS-1,3-DICHLOROPROPENE
<0.03	2-CHLOROETHYLVINYL ETHER
<0.09	BROMOFORM
<0.03	1,1,2,2-TETRACHLOROETHANE
<0.03	TETRACHLOROETHENE
<0.16	CHLOROBENZENE
<0.4	1,3-DICHLOROBENZENE
<0.4	1,2-DICHLOROBENZENE
<0.6	1,4-DICHLOROBENZENE
<0.2	BENZENE
<0.1	ETHYLBENZENE
<0.4	TOLUENE
<1.0	M-XYLENES
<1.0	O,P-XYLENES

COMMENTS: MDL 10 TIMES NORMAL DUE TO MATRIX.

ASSAIGAI ANALYTICAL LABORATORIES

TO: El Paso Natural Gas
Attn: Darrell Campbell
8645 Railroad Drive
El Paso, TX 79904

DATE: 22 August 1986
1346

SAMPLE ID: S86-0041 Huerco 26" Line 1100 Hydrotest - Old Pipe Source Water

ANALYTE	ANALYTICAL RESULTS	Detection Limit
Benzene	<1 ug/l	1 ug/l
Toluene	<1 ug/l	1 ug/l
Cr	<0.050 mg/l	0.050 mg/l
Hg	0.002 mg/l	0.002 mg/l
Fe	0.52 mg/l	0.05 mg/l

REFERENCE: "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW 846, EMSL-Cincinnati, 1982

An invoice for services is enclosed. Thank you for contacting Assaigai Labortories.

Sincerely,

Jennifer V. Smith

Jennifer V. Smith, Ph.D.
Laboratory Director

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964

ASSAIGAI ANALYTICAL LABORATORIES

TO: El Paso Natural Gas
Attn: Darrell Campbell
8645 Railroad Drive
El Paso, TX 79904

DATE: 22 August 1986
1346

SAMPLE ID: S86-0042 Hueco 26" Line 1100 Hydrotest - Old Pipe
Begin Dewater

ANALYTE	ANALYTICAL RESULTS	Detection Limit
Benzene	<1 ug/l	1 ug/l
Toluene	<1 ug/l	1 ug/l
Cr	<0.050 mg/l	0.050 mg/l
Hg	0.002 mg/l	0.002 mg/l
Fe	33 mg/l	0.05 mg/l

REFERENCE:"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW 846, EMSL-Cincinnati, 1982

An invoice for services is enclosed. Thank you for contacting Assaigai Labortories.

Sincerely,

Jennifer V. Smith

Jennifer V. Smith, Ph.D.
Laboratory Director

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964

ASSAIGAI ANALYTICAL LABORATORIES

TO: El Paso Natural Gas
Attn: Darrell Campbell
8645 Railroad Drive
El Paso, TX 79904

DATE: 22 August 1986
1346

SAMPLE ID: S86-0043 Hueco 26" Line 1100 Hydrotest - Old Pipe
Midpt - Deweter

ANALYTE	ANALYTICAL RESULTS	Detection Limit
Benzene	<1 ug/l	1 ug/l
Toluene	<1 ug/l	1 ug/l
Cr	<0.050 mg/l	0.050 mg/l
Hg	0.002 mg/l	0.002 mg/l
Fe	9 mg/l	0.05 mg/l

REFERENCE:"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW 846, EMSL-Cincinnati, 1982

An invoice for services is enclosed. Thank you for contacting Assaigai Labortories.

Sincerely,

Jennifer V. Smith

Jennifer V. Smith, Ph.D.
Laboratory Director

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964

ASSAIGAI ANALYTICAL LABORATORIES

TO: El Paso Natural Gas
Attn: Darrell Campbell
8645 Railroad Drive
El Paso, TX 79904

DATE: 22 August 1986
1346

SAMPLE ID: S86-0044 Hueco 26" Line 1100 Hydrotest - Old Pipe End Pt - Deuster

ANALYTE	ANALYTICAL RESULTS	Detection Limit
Benzene	<1 ug/l	1 ug/l
Toluene	<1 ug/l	1 ug/l
Cr	<0.050 mg/l	0.050 mg/l
Hg	0.002 mg/l	0.002 mg/l
Fe	184 mg/l	0.05 mg/l

REFERENCE: "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW 846, EMSL-Cincinnati, 1982

An invoice for services is enclosed. Thank you for contacting Assaigai Labortories.

Sincerely,

Jennifer V. Smith

Jennifer V. Smith, Ph.D.
Laboratory Director

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964

ASSAIGAI ANALYTICAL LABORATORIES

TO: El Paso Natural Gas Co.
Attn: Darrell Campbell
PO Box 1432
El Paso, TX 79978

DATE: 28 July 1986
1071
Sample Date: 6/19/86 4 p.m.

SAMPLE ID: S86-0023 - Hueco 30" Hydrotest Source Water

ANALYTE	ANALYTICAL RESULTS	NOMINAL DETECTION LIMIT
Benzene	3 ug/l	1 ug/l
Toluene	15 ug/l	1 ug/l
Cr	0.016 mg/l	0.05 mg/l
Hg	<0.002 mg/l	0.002 mg/l
Fe	0.02 mg/l	0.05 mg/l

REFERENCE: "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW 846, EMSL-Cincinnati, 1982

An invoice for services is enclosed. Thank you for contacting Assaigai Labortories.

Sincerely,

Jennifer V. Smith

Jennifer V. Smith, Ph.D.
Laboratory Director

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964

ASSAIGAI ANALYTICAL LABORATORIES

TO: El Paso Natural Gas Co.
Attn: Darrell Campbell
PO Box 1432
El Paso, TX 79978

DATE: 28 July 1986
1071
Sampled: 6/24/86 5:15 p.

SAMPLE ID: S86-0024- Hueco 30 Hydrotest - Begin dewater

ANALYTE	ANALYTICAL RESULTS	NOMINAL DETECTION LIMIT
Benzene	15 ug/l	1 ug/l
Toluene	<1 ug/l	1 ug/l
Cr	0.040 mg/l	0.05 mg/l
Hg	<0.002 mg/l	0.002 mg/l
Fe	17.2 mg/l	0.05 mg/l

REFERENCE: "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW 846, EMSL-Cincinnati, 1982

An invoice for services is enclosed. Thank you for contacting Assaigai Labortories.

Sincerely,

Jennifer V. Smith

Jennifer V. Smith, Ph.D.
Laboratory Director

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964

ASSAIGAI ANALYTICAL LABORATORIES

TO: El Paso Natural Gas Co.
Attn: Darrell Campbell
PO Box 1432
El Paso, TX 79978

DATE: 28 July 1986
1071
Sampled: 6/26/86 11:30a

SAMPLE ID: S86-0025-Hueco Sta -30" Hydrotst-Middle Pen-Tu

ANALYTE	ANALYTICAL RESULTS	NOMINAL DETECTION LIMIT
Benzene	2 ug/l	1 ug/l
Toluene	9 ug/l	1 ug/l
Cr	0.015 mg/l	0.05 mg/l
Hg	<0.002 mg/l	0.002 mg/l
Fe	3.36 mg/l	0.05 mg/l

REFERENCE: "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW 846, EMSL-Cincinnati, 1982

An invoice for services is enclosed. Thank you for contacting Assaigai Labortories.

Sincerely,

Jennifer V. Smith

Jennifer V. Smith, Ph.D.
Laboratory Director

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964

ASSAIGAI ANALYTICAL LABORATORIES

TO: El Paso Natural Gas Co.
Attn: Darrell Campbell
PO Box 1432
El Paso, TX 79978

DATE: 28 July 1986
1071
Sampled: 6/25/86 - 6 a.m.

SAMPLE ID: S86-0026 Unit Sta. -30" Hydrotest - End Dewater

ANALYTE	ANALYTICAL RESULTS	NOMINAL DETECTION LIMIT
Benzene	3 ug/l	1 ug/l
Toluene	8 ug/l	1 ug/l
Cr	0.041 mg/l	0.05 mg/l
Hg	<0.002 mg/l	0.002 mg/l
Fe	2.86 mg/l	0.05 mg/l

REFERENCE: "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW 846, EMSL-Cincinnati, 1982

An invoice for services is enclosed. Thank you for contacting Assaigai Labortories.

Sincerely,

Jennifer V. Smith

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TO: El Paso Natural Gas Co.
Attn: Darrell Campbell
PO Box 1432
El Paso, TX 79978

DATE: 28 July 1986
1071

SAMPLE ID: S86-0027-Hueco 56 30" Hydrotest - Dewater Pond - Composite after dewater

ANALYTE	ANALYTICAL RESULTS	NOMINAL DETECTION LIMIT
Benzene	4 ug/l	1 ug/l
Toluene	7 ug/l	1 ug/l
Cr	0.390 mg/l	0.05 mg/l
Hg	<0.002 mg/l	0.002 mg/l
Fe	12.0 mg/l	0.05 mg/l

REFERENCE: "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA, SW 846, EMSL-Cincinnati, 1982

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