# 3R - <u>345</u>

# GENERAL CORRESPONDENCE

YEAR(S): 1997 Public Service Company of New Mexico Alvarado Square MS 0408 Albuquerque, NM 87158

June 3, 1997

Mr. William Olson Hydrogeologist Oil Conservation Division 2040 So. Pacheco Santa Fe, New Mexico 87505

## RECEIVED

JUN 1 0 1997

PNM

Environmental Bureau Oil Conservation Division

### RE: NOTIFICATION OF GROUNDWATER CONTAMINATION AT THE TURNER 3 WELL SITE

Dear Bill:

Pursuant to New Mexico Water Quality Control Commission (WQCC) Regulations, section 1-203, PNM hereby provides written notification of groundwater contamination at the Turner 3 well site, located in section 24, township 31 North, range 11 West, unit letter F. A topographic map showing the location of the site is provided as an attachment. The operator is Burlington Resources. This letter follows verbal notification provided to you on Tuesday, June 3, 1997 (M. Gannon, PNM to B. Olson, OCD).

On May 20, 1997, PNM technicians encountered groundwater at the Turner 3 at approximately 18 feet below ground surface while excavating the former pit. A groundwater sample was collected and delivered to OnSite Technologies, Farmington, New Mexico for BTEX analysis using EPA method 8020. A hardcopy of the laboratory report is attached. A summary of the analytical results is provided below:

| Component    | Units | WQCC Stds. | Groundwater Sample |
|--------------|-------|------------|--------------------|
| Benzene      | ppb   | 10         | 79                 |
| Toluene      | ppb   | 750        | 61                 |
| Ethylbenzene | ppb   | 750        | 295                |
| Xylenes      | ppb   | 620        | 2390               |
| Total BTEX   | ppb   |            | 2825               |

Bold type indicates a WQCC exceedance.

This letter serves as written notification of groundwater contamination at the Turner 3 well site. PNM will conduct future activities at the site pursuant to PNM's Groundwater Management Plan. If you have any questions, please call me at (505) 241-2974. Thank you.

Sincerely, PNM Mauri

Maureen Gannon Project Manager

s/gaspits/turn301.doc

Attachment

cc: Colin Adams, PNM Denver Bearden, PNMGS Craig Bock, Burlington Resources Denny Foust, OCD-Aztec Office Robin Prisk, WFS Toni Ristau, PNM OFF: (505) 325-5667

TWINER 3 324 TBIN RIIW "F" RWINGTON Dipth 18' LAB: (505) 325-1556

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## ANALYTICAL REPORT

| Attn:        | Denver Beard  | len            |           | Date:           | 28-May-97 |
|--------------|---------------|----------------|-----------|-----------------|-----------|
| Company:     | PNM Gas Ser   | vices          |           | COC No.:        | 5883      |
| Address:     | 603 W. Elm    |                |           | Sample No.:     | 14655     |
| City, State: | Farmington, I | VM 87401       |           | Job No.:        | 2-1000    |
| Project Nam  |               | PNM Gas Servic |           |                 |           |
| Project Loca | tion: 9       | 705200800;     | 18' depth |                 |           |
| Sampled by:  | G             | iC             | Date:     | 20-May-97 Time: | 8:00      |
| Analyzed by  | : D           | C              | Date:     | 27-May-97       |           |
| Sample Mati  | rix: L        | iquid          |           |                 |           |

**TECHNOLOGIES, LTD.** 

| Parameter    |       | Results as<br>Received | Unit of<br>Measure | Limit of<br>Quantitation | Unit of<br>Measu <b>re</b> |
|--------------|-------|------------------------|--------------------|--------------------------|----------------------------|
| Benzene      |       | 79                     | ug/L               | 2                        | ug/L                       |
| Toluene      |       | 61                     | ug/L               | 2                        | og/L                       |
| Ethylbenzene |       | 295                    | ug/L               | 2                        | ug/L                       |
| m,p-Xylene   |       | 2331                   | ug/L               | 20                       | ug/L                       |
| o-Xylene     |       | 59                     | ug/L               | 2                        | ug/L                       |
|              | TOTAL | 2825                   | ug/L               |                          |                            |

ND - Not Detected at Limit of Quantitation

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

Approved By: 5-28/97 Date:

P.O. BOX 2606 • FARMINGTON, NM 87499 - Technology Blending Industry with the Environment -



LAB: (505) 325-1556

# QUALITY ASSURANCE REPORT

for EPA Method 8020

Date Analyzed: 27-May-97

OFF: (505) 325-5667

Internal QC No.: 0527-STD Surrogate QC No.: 0528-STD Reference Standard QC No.: 0529/30-QC

Method Blank

| Parameter                               | Result | Unit of<br>Measure |
|---|--------|--------------------|
| Average Amount of All Analytes In Blank | < 0.2  | ppb                |

Calibration Check

|              | Unit of | True  | Analyzed |        |       |
|--------------|---------|-------|----------|--------|-------|
| Parameter    | Measure | Value | Value    | % Diff | Limit |
| Benzene      | ppb     | 20.0  | 18.4     | 8      | 15%   |
| Toluene      | ppb     | 20.0  | 18.8     | 6      | 15%   |
| Ethylbenzene | ppb     | 20.0  | 19.3     | 4      | 15%   |
| m,p-Xylene   | ppb     | 40.0  | 37.0     | 8      | 15%   |
| o-Xylene     | ppb     | 20.0  | 19.1     | 4      | 15%   |

Matrix Spike

| Parameter    | 1- Percent<br>Recovered | 2 - Percent<br>Recovered | Limit    | %RSD | Limit |
|--------------|-------------------------|--------------------------|----------|------|-------|
| Benzene      | 89                      | 86                       | (39-150) | 2    | 20%   |
| Toluene      | 95                      | 92                       | (46-148) | 2    | 20%   |
| Ethylbenzene | 95                      | 92                       | (32-160) | 2    | 20%   |
| m,p-Xylene   | 90                      | 86                       | (35-145) | 2    | 20%   |
| o-Xylene     | 94                      | 92                       | (35-145) | 2    | 20%   |

### Surrogate Recoveries

|                           | S1        | S2        |                           | S1              | S2        |
|---------------------------|-----------|-----------|---------------------------|-----------------|-----------|
|                           | Percent   | Percent   |                           | Perc <b>ent</b> | Percent   |
| Laboratory Identification | Recovered | Recovered | Laboratory Identification | Recovered       | Recovered |
| Limit Percent Recovered   | (70-130)  |           | Limit Percent Recovered   | (70-130)        |           |
| 14655-5883                | 95        |           |                           |                 |           |
|                           | 1         |           |                           |                 |           |
|                           |           |           |                           |                 |           |
| <u></u>                   |           |           |                           |                 | (m)       |
|                           |           |           |                           |                 | 5/28/97   |

S1: Flourobenzene

#### P.O. BOX 2606 • FARMINGTON, NM 87499

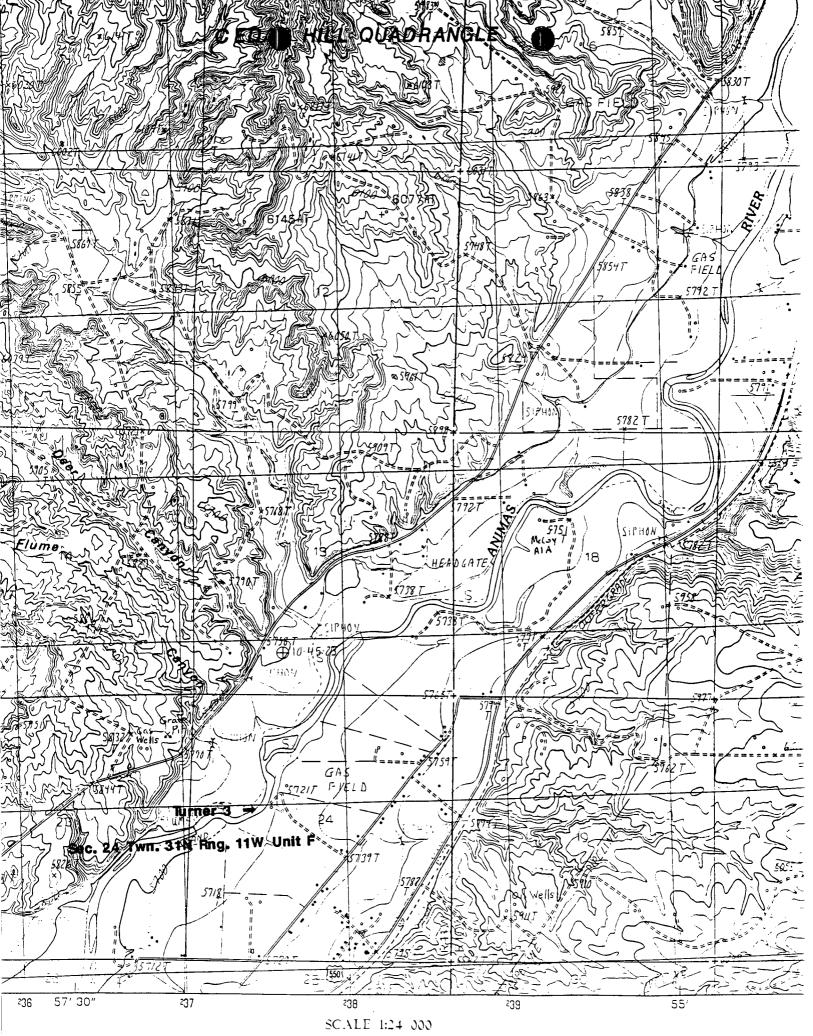
- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

|                     |  | CHAIN  | <b>OF CUSTODY</b>                               |                | RECORD                    | RD                              |                    |                                     | 5883                                |
|---------------------|--|--|---|----------------|---------------------------|---------------------------------|--------------------|-------------------------------------|-------------------------------------|
|                     | ON SITE                                  |  | Date.   | 5              | 20/9:                     | ~                               |                    | Page                                | ,                                   |
| TECHNOLOGIES, LTD.  |  | 657 W. Maple • P. O. Box 2606 • Farmington NM 87499<br>LAB: (505) 325-5667 • FAX: (505) 325-6256 | <b>Date</b><br>nington NM 87499<br>05) 325-6256 |                |                           | l                               |                    |                                     | 5                                   |
| Purchase Order No.: |  | Job No.  |   | (              | Name                      | Maureen Gannon                  | not                | Title                               |                                     |
| Name                | Denver Bearden                           |  |   | TF<br>DT 8     | Company                   | <b>PNM Gas Services</b>         | rices              | _                                   |                                     |
|                     | PNM Gas Services                         | Dept.  | . 324-3763                                      |                | Mailing Address           | Alverado Square, Mail Stop 0408 | are, Mail Sto      | p 0408                              |                                     |
| SEI<br>Address      | 603 W. Elm Street                        |  |   | ารэ<br>зย      | City, State, Zip          | Albuquerque, NM 87158           | NM 87158           |                                     |                                     |
|                     | City, State, Zip Farmington, NM 87401    |  |   | 8              | Telephone No.             | 505-848-2974                    |                    | Telefax No.                         |                                     |
| Sampling Location:  | Turner #3                                | 18' dent.  | >   |                |                           | ANALY                           | ANALYSIS REQUESTED | ESTED                               |                                     |
|                     |  |  |   |                |                           |                                 |                    |                                     |                                     |
| Sampler:            | GAN Coll                                 |  |   | Numbe<br>Numbe | 208.1                     |                                 |                    |                                     |                                     |
|                     | DENTI                                    | SAMPLE<br>DATE TIME  | ME MATRIX PRES.                                 | 1.             | 618                       |                                 |                    |                                     | LABID                               |
| 8                   | 970510081                                | 2  | - Brie 14-1 #11                                 |                |                           |                                 |                    |                                     | 11150-5000                          |
|                     |  |  |   |                |                           |                                 |                    |                                     |                                     |
|                     |  |  |   |                |                           |                                 |                    |                                     |                                     |
|                     |  |  |   |                |                           |                                 |                    |                                     |                                     |
| Relincuished hv     | Han Car                                  | Clack and Dated inc  |   |                | Bonoitord Purchase        | 2                               |                    |                                     | VION TANK                           |
| Relinquished by:    | Com Land                                 |  | z<br>)  | Recei          | Received by:              |                                 |                    | Date/Time                           |                                     |
| Relinquished by:    |  | Date/Time  | me  | Recei          | Received by:              |                                 |                    | Date/Time                           |                                     |
| Method of Shipment: |  | 1  |   | Rush           | -                         | 24-48 Hours 10 V                | 10 Working Days    | Special Instructions:               | :Su                                 |
| Authorized by:      | Client Signature Must Accompany Request) | Ny Request) Date   | 5/20/97   | <b></b>        |                           | $\times$                        |                    | Results to be s<br>to both parties. | Results to be sent to both parties. |
|                     | 2  | Distribution: White – On Site  | h Site Yellow – LAB                             | Pink – Sampler | ampler Goldenrod – Client | d - Client                      |                    |                                     | :                                   |

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| State of New Mexico<br>ENERGY, MINERALS and NATURAL RES<br>Santa Fe, New Mexico 8               | OURCES DEPARTMENT                            |  |  |  |  |  |
|---|--|--|--|--|--|--|
| CONSTRUCTION MEMORANDUM OF MEETING OR CO  | NVERSATION                                   |  |  |  |  |  |
| Telephone Personal Time 1550  | Date 6/3/97                                  |  |  |  |  |  |
| Originating Party   | Other Parties                                |  |  |  |  |  |
| Manreen Gannon - PNM Bill   | Olson - Environmental Burcan<br>(Voice mail) |  |  |  |  |  |
| Subject<br>Motice at Ground Water Contamination   |  |  |  |  |  |  |
| Discoveral Grand water contemplation at following sites   |  |  |  |  |  |  |
| $-\frac{1}{10000000000000000000000000000000000$   | RIIW<br>BTEX = 2800 pab                      |  |  |  |  |  |
| - McCoy Gas Com A#1 with the lease 18<br>DTW = 15'<br>Benzene = 87<br>Conclusions or Agreements | F T3IN RIOW                                  |  |  |  |  |  |
|   |  |  |  |  |  |  |
| Distribution<br>Files<br>Denny Fonst - OCD Aztar  | BUU USan                                     |  |  |  |  |  |