

3R - 345

**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 10 1997

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	<b>2390</b>
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

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



Turner 3  
324 T31N R11W "F"  
Burlington  
Depth 18'

LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: *Denver Bearden*  
Company: *PNM Gas Services*  
Address: *603 W. Elm*  
City, State: *Farmington, NM 87401*

Date: *28-May-97*  
COC No.: *5883*  
Sample No.: *14655*  
Job No.: *2-1000*

Project Name: *PNM Gas Services - Turner #3*  
Project Location: *9705200800; 18' depth*  
Sampled by: *GC* Date: *20-May-97* Time: *8:00*  
Analyzed by: *DC* Date: *27-May-97*  
Sample Matrix: *Liquid*

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

ND - Not Detected at Limit of Quantitation

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

Approved By: *[Signature]*

Date: *5-28/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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

Parameter	Result	Unit of Measure
Average Amount of All Analytes In Blank	<0.2	ppb

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

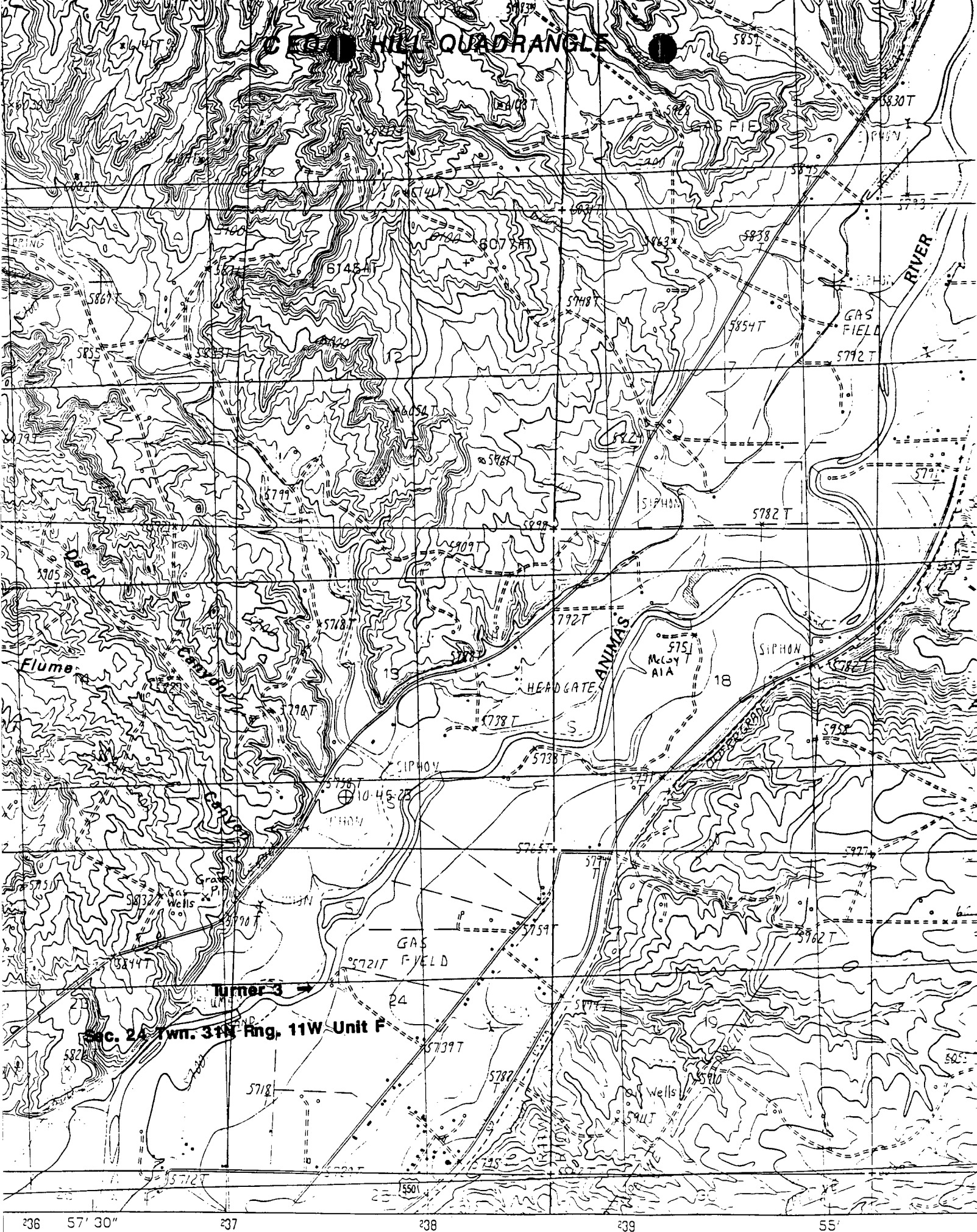
<i>Parameter</i>	<i>1- Percent Recovered</i>	<i>2 - Percent Recovered</i>	<i>Limit</i>	<i>%RSD</i>	<i>Limit</i>
<i>Benzene</i>	89	86	(39-150)	2	20%
<i>Toluene</i>	95	92	(46-148)	2	20%
<i>Ethylbenzene</i>	95	92	(32-160)	2	20%
<i>m,p-Xylene</i>	90	86	(35-145)	2	20%
<i>o-Xylene</i>	94	92	(35-145)	2	20%

	S1 Percent Recovered	S2 Percent Recovered		S1 Percent Recovered	S2 Percent Recovered
Laboratory Identification			Laboratory Identification		
Limit Percent Recovered	(70-130)		Limit Percent Recovered	(70-130)	
14655-5883	95				
					(P2)
					5/26/97

**S1: Flourobenezene**



# CED HILL QUADRANGLE



236 57' 30"

237

238

239

554

SCALE 1:24 000



State of New Mexico  
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT  
Santa Fe, New Mexico 87505

STATE OF  
NEW MEXICO  
OIL  
CONSERVATION  
DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone

☐ Personal

Time

1550

Date

6/3/97

Originating Party

McNee Gannon - PNM

Other Parties

Bill Olson - Environmental Bureau  
(voice mail)

Subject

Notice of Ground Water Contamination

Discussion

Discovered Ground water contamination at following sites

- ~~Turner #3~~

unit F sec 24, T31N R11W

DTW = 18'

Benzene = 79 ppb

BTEX = 2800 ppb

- McCoy Gas Com A#1

unit H sec 18 T31N R10W

DTW = 15'

Benzene = 875 ppb

BTEX = 8000 ppb

Conclusions or Agreements

Distribution

Files

Denny Faust - OCD Aztec

Signed

Bill Olson