GW - 189

GENERAL CORRESPONDENCE

YEAR(S):

2006 - 1991

Enterprise Products

P.O. Box 4324 Houston, Texas 77210-4324 713.880.6500
2727 North Loop West Houston, Texas 77008-1044 www.epplp.com

April 26, 2006

Mr. Wayne Price
Environmental Bureau Chief
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

2006 MAY 4 AM 11 47

Subject: **Discharge Permit GT-185 Kutz #2 Compressor Station**
Discharge Permit SW-211 Largo Compressor Station
Discharge Permit GW-212 Ballard Compressor Station
Discharge Permit GW-209 Lindrith Compressor Station
Discharge Permit GW-188 3B-1 Compressor Station
Discharge Permit GW-189 Angel Peak Compressor Station

Dear Mr. Price:

As requested in your letter dated April 12, 2006, enclosed are signed copies of the attachment to the Discharge Permit for each of the above locations. Also enclosed is Enterprise's check in the amount of $10,200 ($1700 per location) in payment of fees associated with the discharge plans.

As you will note, the Attachment to the Discharge Permit has been signed on behalf of Enterprise by our Vice President and General Manager of Operations, Mr. Terry L. Hurlburt.

Should you have questions or need additional information, please contact Mr. Doug Jordan, Environmental Manager – Midstream Systems at 713-880-6629.

Yours truly,

Shiver J. Nolan
Senior Compliance Administrator

enclosures
attachments for each location
check

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 4/25/06

or cash received on _____ in the amount of $ 1700.00

from Enterprise Products

for GW-189 Angel Peak Compressor Station

Submitted by: Laurie Romero Date: 5/30/06

Submitted to ASD by: Laurie Romero Date: 5/30/06

Received in ASD by: _____ Date: _____

Filing Fee _____ New Facility _____ Renewal _____

Modification _____ Other _____

Organization Code 521.07 Applicable FY 2004

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment _____

THE FACE OF THIS DOCUMENT CONTAINS SECURITY PRINTING.

ENTERPRISE PRODUCTS OPERATING L.P.
P.O.BOX 4324
HOUSTON, TEXAS 77210

BANK ONE, NA

56-1544/441

[redacted]

DATE
25-APR-06

PAY EXACTLY
Ten Thousand Two Hundred And No/100 Dollars

AMOUNT
$******10,200.00

REGULAR ACCOUNT
VOID AFTER 180 DAYS

PAY TO THE ORDER OF
STATE OF NEW MEXICO
1220 SOUTH SAINT FRANCIS DR
SANTA FE, NM 87505
United States

W. Randolf Fosley

[redacted]

THE SANTA FE
NEW MEXICAN
Founded 1849

2006 MAR 10 PM 2 01

NM EMNRD OIL CONSERVATION
ATTN: Ed Martin
1220 S ST FRANCIS DR
SANTA FE NM 87505

ALTERNATE ACCOUNT: 56689
AD NUMBER: 00158987 ACCOUNT: 00002212
LEGAL NO: 78541 P.O. #: 06-199-050-125

588 LINES 1 TIME(S)	329.28
AFFIDAVIT:	6.00
TAX:	25.57
TOTAL:	360.85

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, R, Lara, being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 78541 a copy of which is hereto attached was published in said newspaper 1 day(s) between 03/07/2006 and 03/07/2006 and that the notice was published in the newspaper proper and not in any supplement; the first date of publication being on the 7th day of March, 2006 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ R, Lara
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 7th day of March, 2006

OK To Pay
Ed Martin
3-20-06

Notary Laura E. Harding

Commission Expires: 11/23/07

OFFICIAL SEAL
Laura E. Harding
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: 11/23/07

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge permit application has been submitted to the Director of the Oil Conservation Division, 1220 S. St. Francis, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-188) Enterprise Products Operating, L.P., Mr. Terry L. Hurlburt, Vice President & General Manager of Operations, P.O. Box 4324, Houston, TX 77210-4324, has submitted a renewal application for the previously approved discharge permit for their 3B-1 Compressor Site, located in the NW/4 SW/4 of Section 33, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico. The total discharge will be about 15 gallons/day. This fluid will consist of oil and water and will be discharged to closed top storage tanks on site. Hydrocarbons will be separated from the water and recycled. The wastewater will then be disposed of by evaporation at an OCD-approved facility. Groundwater most likely to be affected by a spill, leak or accidental discharge to the surface is at a depth of approximately 50 feet with total dissolved solids concentration of approximately 1,500 mg/l. The discharge permit addresses how spills, leaks and other accidental discharges to the surface will be managed.

(GW-212) Enterprise Products Operating, L.P., Mr. Terry L. Hurlburt, Vice President & General Manager of Operations, P.O. Box 4324, Houston, TX 77210-4324, has submitted a renewal application for the previously approved discharge permit for their Ballard Compressor Station, located in the SE/4 NE/4 of Section 26, Township 26 North, Range 9 West, NMPM, San Juan County, New Mexico. Approximately 2 gallons per day of process wastewater with total dissolved solids concentration of approximately 3,500 mg/L is stored in an above grade, closed-top steel tank prior to offsite disposal at an OCD-approved facility. Groundwater most likely to be affected in the event of an accidental discharge is at a depth of approximately 440 feet with total dissolved solids concentration of approximately 820 mg/L. The discharge permit addresses how spills, leaks and other accidental discharges to the surface will be managed.

(GW-211) Enterprise Products Operating, L.P., Mr. Terry L. Hurlburt, Vice President & General Manager of Operations, P.O. Box 4324, Houston, TX 77210-4324, has submitted a renewal application for the previously approved discharge permit for their Largo Compressor Station, located in the SW/4 NW/4 of Section 15, Township 26 North, Range 7 West, NMPM, Rio Arriba County, New Mexico. Approximately 115 gallons per day of process wastewater with total dissolved solids concentration of 3,500 mg/L is stored in an above grade, closed-top steel tank prior to offsite disposal at an OCD-approved facility. Groundwater most likely to be affected in the event of an accidental discharge is at a depth of approximately 255 feet with total dissolved solids concentration of approximately 542 mg/L. The discharge permit addresses how spills, leaks and other accidental discharges to the surface will be managed.

(GW-209) Enterprise Products Operating, L.P., Mr. Terry L. Hurlburt, Vice President & General Manager of Operations, P.O. Box 4324, Houston, TX 77210-4324, has submitted a renewal application for the previously approved discharge permit for their Lindrith Compressor Station, located in the NE/4 SE/4 of Section 18, Township 24 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. Approximately 86 gallons per day of process wastewater with total dissolved solids concentration of 3,500 mg/L is stored in a below-grade, closed-top steel tank with positive leak detection prior to offsite disposal at an OCD-approved facility. Groundwater most likely to be affected in the event of an accidental discharge is at a depth of approximately 750 feet with total dissolved solids concentration of approximately 760 mg/L. The discharge permit addresses how spills, leaks and other accidental discharges to the surface will be managed.

(GW-189) Enterprise Products Operating, L.P., Mr. Terry L. Hurlburt, Vice President, P.O. Box 4324, Houston, TX 77210-4324, has submitted a renewal application for the previously approved discharge permit for their Angel Peak Compressor Station, located in the NE/4 NE/4 of Section 8, Township 27 North, Range 10 West, NMPM, San Juan County, New Mexico. The total discharge will be about 19 gallons/month. This fluid will consist of oil and water and will be discharged to closed top storage tanks on site. Hydrocarbons will be separated from the water and recycled. The wastewater will then be disposed of by evaporation at an OCD- approved facility. Groundwater most likely to be affected by a spill, leak or accidental discharge to the surface is at a depth of approximately 900 feet with total dissolved solids concentration of approximately 510 mg/l. The discharge permit addresses how spills, leaks and other accidental discharges to the surface will be managed.

(GW-186) Enterprise Products Operating, L.P., Mr. Terry L. Hurlburt, Vice President, P.O. Box 4324, Houston, TX 77210-4324, has submitted a renewal application for the previously approved discharge permit for their Kutz 2 Compressor Station, located in the SE/4 SW/4 of Section 15, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 12 gallons per day of wastewater with total dissolved solids concentration of approximately 1,000 mg/l is stored in an above ground closed top steel tank prior to offsite disposal at an OCD approved disposal facility. Groundwater most likely to be affected in the event of an accidental discharge is at a depth ranging from 317 feet to 810 feet with total dissolved solids concentration of approximately 2,000 mg/l. The discharge permit addresses how spills, leaks and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge permit application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. The draft permit conditions for operation are available on the OCD website www.emnrd.state.nm.us/emnrd/ocd/. Prior to ruling on any proposed discharge permit or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed permit based on information available. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the application and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 1ST day of March 2006.

STATE OF
NEW MEXICO
OIL CONSERVATION
DIVISION

SEAL

MARK E. FESMIRE,
P.E., Director

Legal#78541
Pub. Mar. 7, 2006

AFFIDAVIT OF PUBLICATION

Ad No. 53085

STATE OF NEW MEXICO
County of San Juan:

CONNIE PRUITT, being duly sworn says: That she is the ADVERTISING MANAGER of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication and appeared in the Internet at The Daily Times web site on the following day(s):

Tuesday, March 07, 2006.

And the cost of the publication is $194.35.

Connie Pruitt

ON 3/7/06 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Wynell Corey

My Commission Expires November 17, 2008

COPY OF PUBLICATION

918 Legals

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 1ST day of March 2006.

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

SEAL

MARK E. FESMIRE, P.E., Director

Legal No. 53085 published in The Daily Times, Farmington, New Mexico on Tuesday, March 7, 2006.

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 1st day of March 2006.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

MARK E. FESMIRE, P.E., Director

Enterprise Products

P.O. Box 4324 Houston, Texas 77210-4324 713.880.6500
2727 North Loop West Houston, Texas 77008-1044 www.epplp.com

February 15, 2006

7005 1820 0006 5546 1192
Return Receipt Requested

Mr. Ed Martin
Environmental Engineer
New Mexico Natural Resources Department
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

RE: Discharge Plan Renewal Applications
GW - 188 3B-1 Compressor Station
212 Ballard Compressor Station
211 Largo Compressor Station
209 Lindrith Compressor Station AND KUTZ #2 GW-186
189 Angel Peak Compressor Station

Enterprise Products Operating L.P., as operator for Enterprise Field Services LLC, herein submits the discharge plan renewal applications and discharge plans for the subject facilities. These facilities were acquired by Enterprise from GulfTerra Energy Partners as a part of an acquisition from El Paso Field Services. Also enclosed is Enterprise's check in the amount of $600 in payment of fees associated with the renewals.

Should you have questions or need additional information, please contact Mr. Doug Jordan, Environmental Manager, at 713-880-6629.

Yours truly,

Shiver J. Nolan
Senior Compliance Administrator

FEB 21 2006 PM

/sjn
enclosures

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 1/26/06

or cash received on _____ in the amount of $ 100.00

from Enterprise Products Operating

for Angel Peak Compressor Station GW-189
(Facility Name) (DP No.)

Submitted by: Lawrence Romero. Date: 3/1/06

Submitted to ASD by: Lawrence Romero Date: 3/1/06

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility ___ Renewal ___

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 2007

To be deposited in the Water Quality Management Fund.

Full Payment ___ or Annual Increment ___

THE FACE OF THIS DOCUMENT CONTAINS SECURITY PRINTING.

BANK ONE, NA 56-1544/441

ENTERPRISE PRODUCTS OPERATING L.P.
P.O.BOX 4324
HOUSTON, TEXAS 77210

[redacted]

TERPRISE

DATE 25-JAN-06

Y EXACTLY AMOUNT

x Hundred And No/100 Dollars $*********600.00

PAY TO THE ORDER OF

STATE OF NEW MEXICO
1220 SOUTH SAINT FRANCIS DR
SANTA FE, NM 87505
United States

REGULAR ACCOUNT
VOID AFTER 180 DAYS

W. Randolph Fosha

GW-188 GW-212 GW-211 GW209
GW-189 GW-186

[redacted]

Martin, Ed, EMNRD

To: DJordan@eprod.com

Subject: RE: Enterprise Products OCD Discharge Plans

OK. Thanks for the response.

Ed Martin
New Mexico Oil Conservation Division
Environmental Bureau
1220 S. St. Francis
Santa Fe, NM 87505
Phone: 505-476-3492
Fax: 505-476-3462
email: ed.martin@state.nm.us

From: DJordan@eprod.com [mailto:DJordan@eprod.com]
Sent: Friday, January 20, 2006 11:55 AM
To: Martin, Ed, EMNRD
Subject: RE: Enterprise Products OCD Discharge Plans

Ed, I didn't even catch the 2005-2006 and just read 2006 into the letter. Guess I knew what you meant to "say".

We had sent the plans to our Field Operations to confirm that the data in the underlying applications/permit was/is still valid and correct. Minor changes have been noted and we have revised the applications accordingly. The applications made it to Houston and we realized that we needed to revise the plans to reflect the proper Enterprise Field Services, LP and Enterprise Products Operating L.P designation and we are making those changes. In the process of making those changes, we realized that our "new" VP of Operations (Terry Hurlburt has been VP of Operations for Enterprise for several years, but the former El Paso assets are new to his domain) has not seen the full applications or contents of our "See On File" comment. As such, we are pulling that information together for his perusal. Although it doesn't change our submittal, I believe it to be a prudent action to allow the signing party to see what we are representing.

With that, we should have the applications sent your way next week.

We are also working on the plan renewals for the facilities that you reminded us are close to their expiration date.

> -----Original Message-----
> **From:** Martin, Ed, EMNRD [mailto:ed.martin@state.nm.us]
> **Sent:** Thursday, January 19, 2006 8:41 AM
> **To:** Jordan, Doug M.
> **Subject:** RE: Enterprise Products OCD Discharge Plans
>
> I have a couple of letters to Terry Hurlburt concerning discharge plans with certain due dates for renewals:
>
> Letter dated December 20, 2005 concerning GW-189 on the Angel Peak Compressor Station. Due date for submission of renewal application is January 20, 2006.
> Letter dated December 21, 2005 concerning GW's-209, 211, 212 on Lindrith, Largo, and Ballard compressor stations. Due date for submission of renewal application is January 23, 2006.
>
> Well, really the letters say due dates are January 20 and 23 of 2005. Sorry about that. Anyway, did you get these and how are they coming?

Martin, Ed, EMNRD

To: DJordan@eprod.com

Subject: RE: Enterprise Products OCD Discharge Plans

I have a couple of letters to Terry Hurlburt concerning discharge plans with certain due dates for renewals:

Letter dated December 20, 2005 concerning GW-189 on the Angel Peak Compressor Station. Due date for submission of renewal application is January 20, 2006.
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Well, really the letters say due dates are January 20 and 23 of 2005. Sorry about that. Anyway, did you get these and how are they coming?

Ed Martin
New Mexico Oil Conservation Division
Environmental Bureau
1220 S. St. Francis
Santa Fe, NM 87505
Phone: 505-476-3492
Fax: 505-476-3462
email: ed.martin@state.nm.us

From: DJordan@eprod.com [mailto:DJordan@eprod.com]
Sent: Wednesday, January 04, 2006 3:23 PM
To: Martin, Ed, EMNRD
Subject: Enterprise Products OCD Discharge Plans

Mr. Martin, I received copies of the letters you sent to Terry Hurlburt regarding the expired Discharge Plans and the plans that are approaching the expiration date. I do appreciate the reminder and have asked my staff to prioritize the plan renewals.

I did note that Lincoln B Compressor Station was included on the list of facilities with a soon to expire plan. The Lincoln B Compressor Station is an El Paso Natural Gas facility and not an Enterprise Products facility.

We also decommissioned one of the Angel Peak Compressor Stations. I believe that it is the one referenced in your letter indicating expiration last June. Upon confirmation that it is the facility we decommissioned, I will send you a confirmation email.

Thanks again for the reminder.

Douglas Jordan
Environmental Manager, Enterprise Products Midstream Systems
713-880-6629

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

December 20, 2005

CERTIFIED MAIL RETURN RECEIPT
7001-1940-0004-7920-7768

Mr. Terry Hurlburt
Enterprise Products Operating, L.P.
2727 North Loop West
Houston, TX 77008

RE: Discharge Permit GW-189
Angel Peak Compressor Station
NE/4 NE/4 of Section 8, Township 27 North, Range 10 West
NMPM, San Juan County, New Mexico

Dear Mr. Hurlburt:

The discharge permit, for the facility shown above, expired on June 5, 2005. These permits are required for operation of such facilities pursuant to 20.6.2.3104 NMAC.

A renewal for your permit to operate the Angel Peak Compressor Station is required to be submitted to this office no later than January 20, 2005.

If you have any questions, you may contact me at (505) 476-3492 or ed.martin@state.nm.us

NEW MEXICO OIL CONSERVATION DIVISION

Ed Martin

Edwin E. Martin
Environmental Bureau

Copy: NMOCD, Aztec

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

7001 1940 0004 7920 7768

OFFICIAL USE

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

CW-181

Sent To
Terry Hoskins/Enterprise

Street, Apt. No.; or PO Box No. 2727 North Loop West

City, State, ZIP+4

PS Form 3800, January 2001 See Reverse for Instructions

Enterprise Products Operating, LP
614 Reilly Avenue
Farmington, NM 87401

Mr. Roger Anderson
New Mexico Oil Conservation Division
1220 S. St. Francis
Santa Fe, NM 87505

RE: Change of Ownership

Dear Roger:

This is to notify you of the change of ownership for the El Paso Field Services Co. facilities in the San Juan Basin area, in and near Farmington, NM. A list of the effected facilities, along with the Discharge Permit numbers, is attached. These plants and compressor stations are now owned by GulfTerra Energy Partners. L.P. ("GulfTerra"). GulfTerra is no longer affiliated with El Paso Corp.. It is now a subsidiary of Enterprise Products Partners, L.P. ("Enterprise"). All the GulfTerra facilities are operated by Enterprise Products Operating, L.P.

All local contact information as listed in the Discharge Plans is still current. However, Mr. E. Randal West is no longer the Responsible Party for the facilities. The new Legally Responsible Party for all the GulfTerra/Enterprise locations is:

Mr. Terry Hurlburt
Vice President
Enterprise Products Operating, L.P.
2727 North Loop West
Houston, TX 77008.

If you need any additional information regarding the change of ownership, please call me at (505) 599-2256.

Sincerely yours,

David Bays

David Bays, REM
Principal Environmental Scientist

Cc: Mr. Denny Foust – NMOCD – Aztec, NM

New Mexico Discharge Permit Numbers

Permit Number	Facility Name
GW-189	Angel Peak Plant
GW-212	Ballard Plant
GW-049	Blanco Plant
GW-71	Chaco Plant
GW-186	Kutz Plant
GW-049-1	Kutz Separator
GW-188-1	Hart Canyon #1 Station
GW0188-2	Hart Canyon #2 Station
GW-188-3	Hart Canyon #3 Station
GW-211	Largo Plant
GW-209	Lindrith Plant
GW-301	Manzanares Station
GW-298	Martinez Canyon Station
GW-303	Navajo City Station
GW-302	Potter Canyon Station
Gw-317	Rattlesnake Plant
GW-304	Turley Station
GW-153	2B-3A Station
GW-154	2B-3B Station
GW-188	3B-1 Station

Martin, Ed

From: Martin, Ed
Sent: Thursday, March 01, 2001 10:49 AM
To: 'David Bays'
Subject: Discharge Plans and General Info.

Just a reminder that the following facilities' discharge plans will need to be renewed this year:

GW-232 Trunk A Compressor expired 2/5/2001
GW-071-1 Ballard Hydrocarbon Recovery Unit expires 5/9/2001
GW-049-1 Kutz Recovery Unit expires 6/17/2001
GW-242 Burton Flats South Compressor expires 8/9/2001
This is a 95 hp compressor in Eddy County operated or formerly operated by Compressor Systems, Inc.

GW-241 Burton Flats North Compressor expires 8/9/2001
This is an 810 hp compressor in Eddy County operated or formerly operated by Compressor Systems, Inc.

GW-247 Whiting Compressor Station expires 9/5/2001
GW-246 Axis #2 Compressor Station expires 9/5/2001
GW-265 Texaco Bilbrey expires 11/25/2001
This is a compressor station in Lea County. Last renewal for this facility was signed by Sandra Miller.

GW-267 Bass James Compressor Station expires 12/10/2001
This is a compressor station in Eddy County. Las renewal for this facility was signed by Sandra Miller.

Also, please send me documentation as to the operational changes that will be made to improve housekeeping at the following facilities:

GW-212 Ballard Compressor Station
GW-189 Angel Peak Compressor Station
GW-186 Kutz 2 Compressor Station
GW-188-1 Hart Canyon #1 Compressor Station
GW-188 3B-1 Compressor Station
GW-188-2 Hart Canyon #2 Compressor Station
GW-188-3 Hart Canyon #3 Compressor Station

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 11/30/00

or cash received on 12/7/00 in the amount of $ 50.00

from EL PASO FIELD SERVICES CO.

for ANGEL PEAK COMPRESSOR STA. 189
(Facility Name) (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: ED MARTIN Date: 12/8/00

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility ___ Renewal ___

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ___

EL PASO FIELD SERVICES COMPANY
1001 Louisiana
Houston, TX 77002

CITIBANK
One Penn's Way
New Castle, DE 19720

62-20/311

Pay Amount **$50.00*****

Date 11/30/2000

Void After One Year

Pay ****FIFTY AND XX / 100 US DOLLAR****

To The Order Of WATER QUALITY MANAGEMENT FUND

C/O OIL CONSERVATION DIVISION
2040 SOUTH PACHECO
SANTA FE, NM 87505

H. Brent Austin

Authorized Signature

[redacted]

Check Date: 11/30/2000

EL PASO FIELD SERVICES COMPANY
Refer Payment Inquires to (713) 420-5719

Check No. [redacted]

Invoice Number	Invoice Date	Voucher ID	Gross Amount	Discount Available	Paid Amount
FILFEE GW189	11/17/2000	00092814	50.00	0.00	50.00
FILING FEE GW-189 ANGEL PEAK					

Vendor Number	Vendor Name		Total Discounts	
0000019137	WATER QUALITY MANAGEMENT FUND		$0.00	
Check Number	**Date**	**Total Amount**	**Discounts Taken**	**Total Paid Amount**
[redacted]	11/30/2000	$ 50.00	0.00	$50.00

NEW MEXICO ENVIRONMENT DEPARTMENT
REVENUE TRANSMITTAL FORM

	Description	FUND	CES	DFA ORG	DFA ACCT	ED ORG	ED ACCT	AMOUNT	
1	CY Reimbursement Project _____ Tax ___	064	01						
5	Gross Receipt Tax	064	01		2329	900000	2329134		5
3	Air Quality Title V	092	13	1300	1696	900000	4169134		3
4	PRP Prepayments	248	14	1400	9696	900000	4969014		4
2	Climax Chemical Co.	248	14	1400	9696	900000	4969015		2
6	Circle K Reimbursements	248	14	1400	9696	900000	4969248		6
7	Hazardous Waste Permits	339	27	2700	1696	900000	4169027		7
8	Hazardous Waste Annual Generator Fees	339	27	2700	1696	900000	4169339		8
10	Water Quality - Oil Conservation Division	341	29		2329	900000	2329029		10
11	Water Quality - GW Discharge Permit	341	29	2900	1696	900000	4169029	50.00	11
12	Air Quality Permits	631	31	2500	1696	900000	4169031		12
13	Payments under Protest	651	33		2919	900000	2919033		13
*14	Xerox Copies	652	34		2349	900000	2349001		*14
15	Ground Water Penalties	652	34		2349	900000	2349002		15
16	Witness Fees	652	34		2349	900000	2349003		16
17	Air Quality Penalties	652	34		2349	900000	2349004		17
18	OSHA Penalties	652	34		2349	900000	2349005		18
19	Prior Year Reimbursement	652	34		2349	900000	2349006		19
20	Surface Water Quality Certification	652	34		2349	900000	2349009		20
21	Jury Duty	652	34		2349	900000	2349012		21
22	CY Reimbursements (I.e. telephone)	652	34		2349	900000	2349014		22
*23	UST Owner's List	783	24	2500	9696	900000	4969201		*23
*24	Hazardous Waste Notifiers List	783	24	2500	9696	900000	4969202		*24
*25	UST Maps	783	24	2500	9696	900000	4969203		*25
*26	UST Owner's Update	783	24	2500	9696	900000	4969205		*26
*28	Hazardous Waste Regulations	783	24	2500	9696	900000	4969207		*28
*29	Radiologic Tech. Regulations	783	24	2500	9696	900000	4969208		*29
*30	Superfund CERLIS List	783	24	2500	9696	900000	4969211		*30
31	Solid Waste Permit Fees	783	24	2500	9696	900000	4969213		31
32	Smoking School	783	24	2500	9696	900000	4969214		32
*33	SWQB - NPS Publications	783	24	2500	9696	900000	4969222		*33
*34	Radiation Licensing Regulation	783	24	2500	9696	900000	4969228		*34
*35	Sale of Equipment	783	24	2500	9696	900000	4969301		*35
*36	Sale of Automobile	783	24	2500	9696	900000	4969302		*36
*37	Lust Recoveries	783	24	2500	9696	900000	4969814		**37
*38	Lust Repayments	783	24	2500	9696	900000	4969815		**38
39	Surface Water Publication	783	24	2500	9696	900000	4969801		39
40	Exxon Reese Drive Ruidoso - CAF	783	24	2500	9696	900000	4969242		40
41	Emerg. Hazardous Waste Penalties NOV	957	32	9600	1696	900000	4164032		41
42	Radiologic Tech. Certification	987	05	0500	1696	900000	4169005		42
44	Ust Permit Fees	989	20	3100	1696	900000	4169020		44
45	UST Tank Installers Fees	989	20	3100	1696	900000	4169021		45
46	Food Permit Fees	991	28	2600	1696	900000	4169026		46
43	Other								43

* Gross Receipt Tax Required

** Site Name & Project Code Required

TOTAL 50.00

Contact Person: ED MARTIN Phone: 827-7151 Date: 12/8/00

Received in ASD By: _____ Date: _____ RT #: _____ ST #: _____

FSB025
Revised 07/07/00

EL PASO
FIELD SERVICES

NOV 16 2000

November 14, 2000

New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

Dear Sirs:

Please find enclosed checks for the Discharge Plan flat fess for the following El Paso Field Services Co. facilities:

Angel Peak Compressor Station – Discharge Plan GW-189 – check no. 01050045

Ballard Compressor Station – Discharge Plan GW-212 – check no. 01050043

Kutz Compressor Station - Discharge Plan GW-186 – check no. 01050044

If you need anything further related to the renewal of these three plans, please call me at (505) 599-2256.

Sincerely yours,

David Bays

David Bays, REM
Principal Environmental Scientist

El Paso Field Services Company 614 Reilly Avenue Farmington, New Mexico 87401 Phone (505) 325-2841 Fax (505) 599-2235

Check Date: 11/09/2000

EL PASO FIELD SERVICES COMPAN
Refer Payment Inquires to (713) 420-5719

Check No. [redacted]

Invoice Number	Invoice Date	Voucher ID	Gross Amount	Discount Available	Paid Amount
ANGEL 11/00	11/06/2000	00091731	345.00	0.00	345.00
DISCHARGE PLAN FEES ANGEL PEA					
GW-189					

Vendor Number	Vendor Name		Total Discounts	
0000019137	WATER QUALITY MANAGEMENT FUND		$0.00	
Check Number	**Date**	**Total Amount**	**Discounts Taken**	**Total Paid Amount**
[redacted]	11/09/2000	$ 345.00	0.00	$345.00

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No [redacted] dated 11/9/00,
or cash received on 11/16/00 in the amount of $ 345.00
from EL PASO FIELD SERVICES CO.
for ANGEL PEAK COMPRESSOR STA. GW-189
(Facility Name) (DP No.)
Submitted by: _____ Date: _____
Submitted to ASD by: ED MARTIN Date: 11/16/00
Received in ASD by: _____ Date: _____
Filing Fee ___ New Facility ___ Renewal ✓
Modification ___ Other _____
(specify)
Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.
Full Payment ✓ or Annual Increment ___

THE FACE OF THIS DOCUMENT HAS A BLUE BACKGROUND AND MICROPRINTING. THERE IS AN ARTIFICIAL WATERMARK ON THE REVERSE SIDE.

EL PASO FIELD SERVICES COMPANY
1001 Louisiana
Houston, TX 77002

CITIBANK
One Penn's Way
New Castle, DE 19720

62-20/311

[redacted]

Pay Amount $345.00***

Date 11/09/2000

Void After One Year

Pay ****THREE HUNDRED FORTY-FIVE AND XX / 100 US DOLLAR****

To The Order Of WATER QUALITY MANAGEMENT FUND

C/O OIL CONSERVATION DIVISION
2040 SOUTH PACHECO
SANTA FE, NM 87505

H. Brent Austin
Authorized Signature

[redacted]

NEW MEXICO ENVIRONMENT DEPARTMENT
REVENUE TRANSMITTAL FORM

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8	Hazardous Waste Annual Generator Fees	339	27	2700	1696	900000	4169339		8
10	Water Quality - Oil Conservation Division	341	29		2329	900000	2329029		10
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13	Payments under Protest	851	33		2919	900000	2919033		13
*14	Xerox Copies	662	34		2349	900000	2349001		*14
15	Ground Water Penalties	662	34		2349	900000	2349002		15
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31	Solid Waste Permit Fees	783	24	2500	9696	900000	4969213		31
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*34	Radiation Licensing Regulation	783	24	2500	9696	900000	4969228		*34
*35	Sale of Equipment	783	24	2500	9696	900000	4969301		*35
*36	Sale of Automobile	783	24	2500	9696	900000	4969302		*36
*37	Lust Recoveries	783	24	2500	9696	900000	4969614		**37
*38	Lust Repayments	783	24	2500	9696	900000	4969615		**38
39	Surface Water Publication	783	24	2500	9696	900000	4969801		39
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41	Emerg. Hazardous Waste Penalties NOV	957	32	9600	1696	900000	4164032		41
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44	Ust Permit Fees	989	20	3100	1696	900000	4169020		44
45	UST Tank Installers Fees	989	20	3100	1696	900000	4169021		45
46	Food Permit Fees	991	26	2600	1696	900000	4169026		46
43	Other								43

* Gross Receipt Tax Required ** Site Name & Project Code Required TOTAL 345.00

Contact Person: ED MARTIN Phone: 827-7151 Date: 11/16/00

Received in ASD By: _____ Date: _____ RT #: _____ ST #: _____

FSB025
Revised 07/07/00

OCD ENVIRONMENTAL BUREAU

SITE INSPECTION SHEET

HP: 753
Rec: 3/24/95
APP: 6/5/95
EXP: 6/5/05

DATE: 10-12-00 Time: 3:00 pm

Type of Facility: Refinery ☐ Gas Plant ☐ Compressor St. ☑ Brine St. ☐ Oilfield Service Co. ☐
Surface Waste Mgt. Facility ☐ E&P Site ☐ Crude Oil Pump Station ☐
Other ☐_____

Discharge Plan: No ☐ Yes ☑ DP# GW-189

FACILITY NAME: ANGEL PEAK C.S.

PHYSICAL LOCATION: _____

Legal: QTR NE QTR NE Sec 8 TS 27N R 10W County SAN JUAN

OWNER/OPERATOR (NAME) EL PASO FIELD SERVICES

Contact Person: DAVID BAYS Tele:# 325-2841

MAILING
ADDRESS: 614 REILLY AV. FARMINGTON State NM ZIP 87401

Owner/Operator Rep's: _____

OCD INSPECTORS: DENNY FOUST AND ED MARTIN

1. Drum Storage: All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums will be stored on their sides with the bungs in and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets will also be stored on an impermeable pad and curb type containment.

OK

2. Process Areas: All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.

CONTAMINATION AROUND COMPRESSOR SKID AND RUNNING ONTO GROUND.

3. Above Ground Tanks: All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new tanks or existing tanks that undergo a major modification, as determined by the Division, must be placed within an impermeable bermed enclosure.

OK

4. Above Ground Saddle Tanks: Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.

OK

5. Labeling: All tanks, drums and containers will be clearly labeled to identify their contents and other emergency notification information.

OK

6. Below Grade Tanks/Sumps: All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks and/or sumps, or other OCD approved methods. The OCD will be notified at least 72 hours prior to all testing.

N/A

7. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years thereafter, or prior to discharge plan renewal. The permittee may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD. The OCD will be notified at least 72 hours prior to all testing.

N/A

8. Onsite/Offsite Waste Disposal and Storage Practices: Are all wastes properly characterized and disposed of correctly? Does the facility have an EPA hazardous waste number? _____ Yes ✓ No

ARE ALL WASTE CHARACTERIZED AND DISPOSED OF PROPERLY? YES ☑ NO ☐ IF NO DETAIL BELOW.

9. Class V Wells: Leach fields and other wastewater disposal systems at OCD regulated facilities which inject non-hazardous fluid into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. All Class V wells that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes will be closed unless it can be demonstrated that groundwater will not be impacted in the reasonably foreseeable future. Closure of Class V wells must be in accordance with a plan approved by the Division's Santa Fe Office. The OCD allows industry to submit closure plans which are protective of human health, the environment and groundwater as defined by the WQCC, and are cost effective. Class V wells that inject domestic waste only must be permitted by the New Mexico Environment Department.

ANY CLASS V WELLS NO ☑ YES ☐ IF YES DESCRIBE BELOW ! Undetermined ☐

10. Housekeeping: All systems designed for spill collection/prevention will be inspected weekly and after each storm event to ensure proper operation and to prevent overtopping or system failure. A record of inspections will be retained on site for a period of five years.

SEE ITEM #2

11. Spill Reporting: All spills/releases will be reported pursuant to OCD Rule 116 and WQCC 1203 to the proper OCD District Office.

OK

12. Does the facility have any other potential environmental concerns/issues?

No

13. Does the facility have any other environmental permits - i.e. SPCC, Stormwater Plan, etc.?

No

14. ANY WATER WELLS ON SITE ? NO ☑ YES ☐ IF YES, HOW IS IT BEING USED ?

Miscellaneous Comments:

CONTAINMENT AROUND PIPELINE LIQUID SCRUBBER AREA CRACKED - NEEDS TO BE RE-CAULKED.

Number of Photos taken at this site: Ø

ANGEL PEAK C.S.
G.W.-189

3600 HP

- OIL ON SKID - BUSTED LINE.
- ✓ ~~ABOVE~~ OTHER LEAKS FROM SKID.
- ✓ NOT GOING TO DRAINS. COMING ONTO
- ✓ PAD AND FLOWING TO GROUND.
- ✓ CONTAMINATION ALL AROUND PAD.
- ✓ CONTAINMENT AROUND PIPELINE LIQUID SCRUBBER DUMP AREA
- ✓ CRACKED AND S/B RE-CAULKED. TANK
- ✓ HAS OVERFLOWED AT LEAST ONCE.

THE SANTA FE
NEW MEXICAN
Founded 1849

023

NM OCD
ATTN: DONNA DOMINGUEZ

AD NUMBER: 166721 ACCOUNT: 56689
LEGAL NO: 67942 P.O.#: 00199000278
191 LINES 1 time(s) at $ 84.20
AFFIDAVITS: 5.25
TAX: 5.59
TOTAL: 95.04

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE
I, B Pierce being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication #67942 a copy of which is hereto attached was published in said newspaper 1 day(s) between 08/22/2000 and 08/22/2000 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 22 day of August, 2000 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ Betsy Pierce
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 22 day of August A.D., 2000

Notary Laura E. Harding

Commission Expires 11/23/03

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-189) El Paso Field Services Company, Mr. David Bays, Senior Environmental Scientist, 614 Reilly Avenue, Farmington, New Mexico 87401, has submitted a renewal application for the previously approved discharge plan for their Angel Peak Compressor Site, located in the NE/4 NE/4 of Section 8, Township 27 North, Range 10 West, NMPM, San Juan County, New Mexico. The total discharge will be about 19 gallons/month. This fluid will consist of oil and water and will be discharged to closed top storage tanks on site. Hydrocarbons will be separated from the water and recycled. The wastewater will then be disposed of by evaporation at an approved OCD facility. Groundwater most likely to be affected by a spill, leak or accidental discharge to the surface is at a depth of approximately 900 feet with a total dissolved solids concentration of approximately 510 mg/l. The discharge plan addresses how spills, leaks and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this ***14th day of August 2000.***

STATE OF NEW MEXICO
OIL CONSERVATION
DIVISION
LORI WROTENBERY,
Director

Legal #67942
Pub. August 22, 2000

AFFIDAVIT OF PUBLICATION

Ad No. 43258

STATE OF NEW MEXICO
County of San Juan:

Alethia Rothlisberger, being duly sworn says: That she is the Classified Advertising Manager of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meeting of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication on the following day(s):

Monday, August 21, 2000

And the cost of the publication is $86.01

Alethia Rothlisberger

ON 8/22/2000 Alethia Rothlisberger appeared before me, whom I know personally to be the person who signed the above document.

Nancy L. Slade

My Commission Expires April 10, 2004

COPY OF PUBLICATION

918 Legals

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

/s/ Roger Cullander
for LORI WROTENBERY, Director

SEAL

Legal No. 43258 published in The Daily Times, Farmington, New Mexico, Monday, August 21, 2000.

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-189) El Paso Field Services Company, Mr. David Bays, Senior Environmental Scientist, 614 Reilly Avenue, Farmington, New Mexico 87401, has submitted a renewal application for the previously approved discharge plan for their Angel Peak Compressor Site, located in the NE/4 NE/4 of Section 8, Township 27 North, Range 10 West, NMPM, San Juan County, New Mexico. The total discharge will be about 19 gallons/month. This fluid will consist of oil and water and will be discharged to closed top storage tanks on site. Hydrocarbons will be separated from the water and recycled. The wastewater will then be disposed of by evaporation at an approved OCD facility. Groundwater most likely to be affected by a spill, leak or accidental discharge to the surface is at a depth of approximately 900 feet with a total dissolved solids concentration of approximately 510 mg/l. The discharge plan addresses how spills, leaks and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this ***14th day of August 2000.***

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

for LORI WROTENBERY, Director

SEAL

R.T. HICKS CONSULTANTS, LTD.

4665 Indian School NE Suite 106 Albuquerque, NM 87110 505.266.5004 Fax: 505.266.7738

June 12, 2000

Mr. Jack Ford
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

RE: El Paso Field Services Angel Peak Compressor Site, San Juan County

Dear Mr. Ford:

Hicks Consultants was contracted through ESI by El Paso Field Services Company to prepare the Discharge Plan Renewal (# GW-189) for the above referenced site, which we respectfully submit to you on their behalf. El Paso Field Services will be sending the NMOCD a separate submittal letter.

Sincerely,

Randall T. Hicks
Principal

Atch:
Discharge Plan Renewal - 2 copies
cc:
NMOCD, Aztec Field Office (Mr. Denny Foust) - 1 copy
El Paso Field Services (Mr. David Bays) - 2 copies
ESI (Ms. Salley Cudney) - 1 copy

June 1, 2000

Renewal Of Groundwater Discharge Plan

(# GW-189)

ANGEL PEAK COMPRESSOR SITE

SAN JUAN COUNTY, NM

Prepared for:

El Paso Field Services Company
614 Reilly Avenue
Farmington, NM 87401

R.T. Hicks Consultants, Ltd.

4665 Indian School NE, Suite 106, Albuquerque, NM 87110

Item 1

Indicate the major operational purpose of the facility. If the facility is a compressor station, include the total combined site rated horsepower.

The Angel Peak compressor site compresses approximately 27 MMSCFD of natural gas from low pressure San Juan Field Trunk 2D to the 12 inch Trunk 6D, then to the 30" Blanco-Chaco Crossover line. El Paso Field Services (EPFS) Company is the owner and operator of the compressor facility. The site includes the following equipment:

- One two-phase inlet separator
- One gas compressor suction scrubber
- One engine-driven compressor (rated at 3068 HP)
- One gas compressor discharge scrubber
- One fuel/gas filter separator
- One 300 gal lube oil tank
- One 500 gal lube oil tank
- One 100 barrel ethylene glycol tank
- One 210 bbl hydrocarbon condensate/produced water tank (exempt)
- One 160 bbl waste water tank (nonexempt)

The auxiliary equipment and tanks at the compressor site are installed, maintained, and operated by EPFS. EPFS is responsible for hauling and disposing the waste oil, waste filters, wash down water, condensate, and field liquids.

Item 2

Name of operator or legally responsible party and local representative.

Legally Responsible Party: Robert Cavner
E1 Paso Field Services Company
1001 Louisiana Street
Houston TX, 77002
(713) 757-2131

Local Representative: Ronald E. Sipe
Manager, Central Complex
El Paso Field Services Company
614 Reilly Ave.
Farmington, New Mexico 87401
(505) 599-3242
24 hour – (800) 203-1347

Station Operator: El Paso Field Services Company
614 Reilly Ave.
Farmington, New Mexico 87401
(505) 325-2841

Item 3

Give a legal description of the location and county. Attach a large scale topographic map.

The site is located in NE/4 NE/4 of Sec 8, T27N, R10W, San Juan County, New Mexico. The site is approximately 6 miles south of Bloomfield, NM on Hwy 44 and then approximately 6 miles east on County Road 14326.

A topographic map showing the site location is at Tab A.

Item 4

Provide the name, telephone number and the landowner of the facility.

El Paso Field Services Company
1001 Louisiana
Houston, TX 77001
(713) 420-2131

Item 5

Provide a description of the facility with a diagram indicating location of fences, pits, dikes, and tanks on the facility.

A plot plan indicating the location of fences, gates, foundations, tanks, and equipment on the facility is attached at Tab B.

Plate 1 (page 10) is a process flow diagram of the natural gas and wastewater streams.

Natural gas enters the site from EPFS's Trunk 2D via both underground and aboveground piping. The gas passes through the inlet separator, the compressor scrubbers, and the fuel/gas separator. The gas is then transferred to EPFS's Trunk 6D.

The site has weekly pigging operations. Condensate and produced water from the pigging operations, the scrubbers, and the separators are piped underground to the 210 bbl condensate/produced water tank.

Item 6

Provide a description of all materials stored and used at the facility

Two single wall, welded steel tanks are used for lube oil. A 300 gallon oil tank is mounted above the compressor. A 500 gallon (make-up) oil tank is installed next to the compressor. A 100 bbl fiberglass tank that stores ethylene glycol is also installed next to the compressor (Table 1).

Tanks Contents	Tank Construction Material	Tank Capacity
Lube Oil	Single wall, welded steel (AST)	300 gal
Lube Oil	Single wall, welded steel (AST)	500 gal
Ethylene glycol	Fiberglass	100 bbl

Table 1. Raw materials stored and used on site.

Liquid hydrocarbon condensate and produced water from the scrubbers and separators are stored in 210 bbl tanks. Wastewater and precipitation from the compressor is stored in 160 bbl tank (Table 2).

Tanks Contents	Tank Construction Material	Tank Capacity
Hydrocarbon condensate/ produced water (exempt)	Single wall, welded steel (AST)	210 bbl
Wash water/precipitation (non-exempt)	Double wall, welded steel (partially below grade)	160 bbl

Table 2. Condensate and Wastewater Storage on Site.

Item 7

Provide a description of present sources of effluent and waste solids. Average quality and volume of waste waster must be included.

Plate 1 provides a visual representation of waste water generation, storage, and disposition at the site.

The exempt waste stream consists of condensate and produced water from the scrubbers and separators which flow under pressure to a 210 bbl single wall, welded steel, above ground storage tank. The scrubbers and separators generate approximately 10 bbl of condensate and produced water per month.

The nonexempt waste stream consists of water, oil, coolant, and soaps generated primarily by precipitation and compressor wash down. Wastewater from the compressor skid drains to a partially below grade, double-wall, steel tank. Approximately 7 bbl of nonexempt wastewater is generated per month (Table 3).

Source	Type	Quantity/mo.	Disposition
Scrubbers	Condensate/water	10 bbl	210 bbl tank
Separators	Condensate/water	2 gal	210 bbl tank
Compressor (storm water)	Water/oil/coolant	2.5 bbl	160 bbl tank
Compressor (wash)	Water/oil/coolant/ soap	4.5 bbl	160 bbl tank

Table 3. Source, Quantity, and Disposition of Wastewater.

Oil and fuel filters are the only solid wastes generated at the site. Approximately four compressor and compressor engine filters are replaced each month. Fuel gas separator filters replaced as needed. Oil filters are disposed of in the Crouch Mesa Landfill (Table 4).

Source/Type	Type	Filters/mo.	Disposal
Compressor	oil	1	Crouch Mesa Landfill
Compressor engine	fuel	3	Crouch Mesa Landfill
Fuel gas separator	fuel	As needed	Crouch Mesa Landfill

Table 4. Source, Quantity, and Disposition of Used Filters.

Item 8

Provide a description of current liquid and solid waste collection/treatment/disposal procedures.

There is no wastewater treatment at the site. Additionally, there are no effluent discharges at this site. EPFS causes transportation of all wastewater and waste solids to off-site disposal facilities.

As reflected in Item 7, condensate and produced water from the scrubbers drain via pressurized underground lines into the 210-bbl tank for exempt waste. Precipitation and wash water from the compressor skids drain via a gravity flow, underground line into the partially buried 160-bbl tank for non-exempt wastewater.

Any oil fraction from the condensate tanks is transported to the Giant Industries Refinery in Bloomfield, NM for recycling. Dawn Trucking Company of Farmington takes the non-oil contents of the exempt waste tanks to the EPFS Kutz Separator facility (Discharge Plan # GW-049-1) for additional hydrocarbon recovery and separation. The water fraction is stored in double-lined evaporation ponds. Dawn Trucking Co transports the exempt wastewater to Basin Disposal. Key Energy transports nonexempt wastewater to the Key Energy disposal well Three Rivers Trucking is used as an alternative transporter as needed.

Oil filters are disposed of in the Crouch Mesa Landfill. No other solid wastes are generated. This site is unmanned and does not generate domestic or any hazardous

solid wastes.

Item 9

Provide a description of proposed modifications to existing collection, treatment, and disposal systems.

No modifications are currently planned for this site.

Item 10

Provide a routine inspection and maintenance plan to ensure permit compliance

All material storage tanks are within berms that contain a volume one-third more than the tank contents. All above ground tanks on a gravel pad or placed on an elevated stand so leaks can be visually detected. The below grade 160 BBL tank is constructed of double-walled steel and the interstitial space is monitored weekly. The 210 bbl is contained within a concrete berm.

There is no chemical or drum storage area. Drums used to contain engine cooling water or waste oil will be removed from the site at the end of each working day.

EPFS employees visit the site on a regular basis. The compressor, all related equipment, and the storage tanks and berms are inspected for any leaks or spills.

All wastewater underground piping carrying waste liquids are hydrostatically tested at a minimum of three pounds over operating pressure for a minimum of four hours every five years.

Item 11

Provide a contingency plan for reporting and clean-up of spills or releases.

The compressor site is graded and bermed so that precipitation and runoff does not cause water to enter or leave the process areas.

The 210 barrel tank is set according to OCD guidelines so the entire tank is exposed to visually detect leaks.

Since the site is visited on a regular basis by EPFS, any leaks, spills, and or drips are be readily identifiable. Regular scheduled maintenance procedures also ensure that the equipment remains functional and thus the possibility of spills or leaks is further minimized. The EPFS Compliance Officer will be notified if any leaks result in soil contamination.

Leaks, spills, and drips will be handled in accordance with OCD Rule 116 as follows:

A) Small spills will be absorbed with soil and shoveled into drums for off-site disposal. If the soil is an "exempt" waste, the soil will be disposed at

Envirotech or other OCD approved landfarm facility. If the soil is an "nonexempt" waste the soil will be characterized and disposed according to the analytical profile.

B) Large spills will be contained with temporary berms. A vacuum truck will pump free liquids out. Any hydrocarbon liquids will be recycled. Any contaminated soil will be disposed of as discussed in the paragraph above.

C) Verbal and written notification of leaks or spills will be made to OCD in accordance with Rule 116.

D) All areas identified during operations as susceptible to leaks or spills will be bermed or otherwise contained to prevent the discharge of effluent.

E) EPFS personnel will carry oil absorbent booms in their trucks. The booms will be used as needed to contain any spills or leaks. The booms will be disposed of according to OCD and NMED guidelines.

Item 12

Provide geological/hydrological information for the facility. Depth to and quality of groundwater must be included.

Regional Geology

The site is located in the San Juan River drainage basin, and within the north central portion of the San Juan structural basin. Topographic relief within 1 mile of Angel Peak is about 490 feet with elevations ranging from 5860 to 6350 feet above sea level. The average annual precipitation in the area is 8 to 10 inches. This area supports native grasses and small shrubs.

Local Geology and Geography

The site is within the north-central part of the San Juan Basin. Tertiary and Holocene age rocks crop out in the immediate vicinity of the site. The site is located at the base of a cliff where quaternary alluvium overlies the Tertiary Nacimiento Formation and the Ojo Alamo Sandstone. Based upon data recorded in the driller's logs for the EPFS wells near the site, the Quaternary alluvium ranges from 5 to 12 feet in total thickness. According to topographic maps published by New Mexico Oil Conservation Division to support "Vulnerable Area Order", R-7940-C, the site is located outside of the expanded vulnerable zone.

The driller's log for EPFS Angel Peak Water Well No. 1 reports that 235 feet of sandstone with minor shale were encountered in the Nacimiento Formation. EPFS Angel Peak water well logs No. 2 and No. 3 report similar findings. EPFS Angel Peak

Water Well No. 10 is located approximately 4.5 miles southwest, in NW/4, NE/4 Sec 26, T-27-N, R-11-W, approximately 500 feet higher in elevation than the plant. The driller's log for this well reports that 980 feet of sandstone and minor shale were encountered in the Nacimiento Formation. The Ojo Alamo Sandstone was encountered at a depth of 1002 to 1102 feet below the ground surface.

Geomorphology and Soils

The site is situated at the base of a cliff on a sloping terrace. The surface slopes about 0 to 3 percent from the highest point, 5960 feet at the compressor site to 5880 feet off to the northwest of the site. The soil association in the area of the site includes the Blancot-Notal association (USSCS, 1977). The fan and valley unit consists of relatively flat 0 to 5 % slopes situated on alluvial fans and valley bottoms. The Blancot-Notal association soil is deep and well drained. It formed in alluvium derived dominantly from sandstone and shale. Permeability is moderate to very slow, and runoff is medium.

Hydrology and Groundwater Quality

There are two unnamed drainage areas within a quarter mile of the site. These drainage ways trend to the north west until they meet with the Kutz Canyon Wash. The site is approximately 3/4 mile north of the East Fork of the wash.

There is one spring located within three miles east of the site (USGS 1992). This is the Armenta Canyon Spring. The source formation is the Naciemiento at an altitude of 6,040 feet above mean sea level. The output of the spring recorded in November 1975 is less than 0.1 gallons per minute and is used for a stock tank.

According to the State Engineer's Office, the EPFS wells reflected in the table below are the only wells located within 1 mile of the site.

Location	Name	Use	Total Depth	Elevation	Depth to Water
27.10.8.223	EPFS PW-01	Dom	235'	5787.4'	170'
27.10.8.223	EPFS PW-02	Dom	204'	5897.3'	54.7'
27.10.8.223	EPFS PW-03	Dom	235'	5902'	60'
27.10.8	EPFS TW-04	Dom	946'	-	125'
27.10.8	EPFS TW-05	Dom	970'	-	-
27.10.8	EPFS TW-06	Dom	1066'	-	-
27.10.7.13222	EPFS PW-07	Dom	1066'	-	-

Table 5. EPFS wells within 1 mile

Eight wells, including three test wells (4, 5 and 6) which were never completed, were drilled near the site by EPFS for domestic and industrial purposes. Both the Nacimiento and Ojo Alamo were tested to a depth of 1066 feet, and neither are significant aquifers at the site. All wells at the site have been abandoned due to insufficient quantity and/or poor water quality.

The present potable water supply well, EPFS Well #10 in Sec. 26, T-27-N, R-11-W is located approximately 6 miles southwest, upgradient from the site. This well was completed in the Ojo Alamo Formation and the aquifer appears confined. The top of the Ojo Alamo is reported to be 1002 feet and the static water level is reported to be 550 feet below the ground surface.

Based on the above information, the aquifer that would most likely be affected by site operations is the Ojo Alamo Aquifer. This aquifer lies approximately 900 feet below the ground surface. The Ojo Alamo aquifer appears to be confined by overlying shale. The direction and gradient of groundwater flow can not be determined on a local basis from existing information. The regional groundwater flow direction in the Ojo Alamo Formation is to the northwest (Stone et. al. 1983).

The total dissolved solids reported by EPFS's laboratory from the Ojo Alamo aquifer was 510 ppm on 07/13/82.

Surface Water Hydrology and Flooding Potential

The site is located at the base of a cliff 3/4 mile northeast of the East Fork of Kutz Canyon Wash. Kutz Canyon Wash drains approximately 200 square miles and discharges into the San Juan River west of Bloomfield. Flooding potential from the San Juan River to the site is considered negligible because the site is about 11 miles south

and well outside of the floodplain of the San Juan River. In addition, the site is graded and bermed so that precipitation and stormwater runoff does not enter or leave the site.

The flooding potential from the East Fork of Kutz Canyon Wash, which is south of the site, is considered negligible due to the location and elevation of the site.

Item 13

Provide a facility closure plan and other information as is necessary to demonstrate compliance with any other OCD rules, regulations, and orders.

All reasonable and necessary measures will be taken to prevent exceeding New Mexico water quality standards (20 NMAC 6.2.3103) should EPFS choose to permanently close the facility. Closure measures will include removal or closure in place of all underground piping and equipment. All tanks will be emptied. No potentially toxic materials or effluents will remain on site. All potential sources of toxic pollutants will be inspected. Should contaminated soil be discovered, any necessary reporting under NMOCD Rule 116 and 20 NMAC 6.2.1203 will be made, and clean-up activities will commence. Post-closure maintenance and monitoring plans would not be necessary unless contamination is encountered.

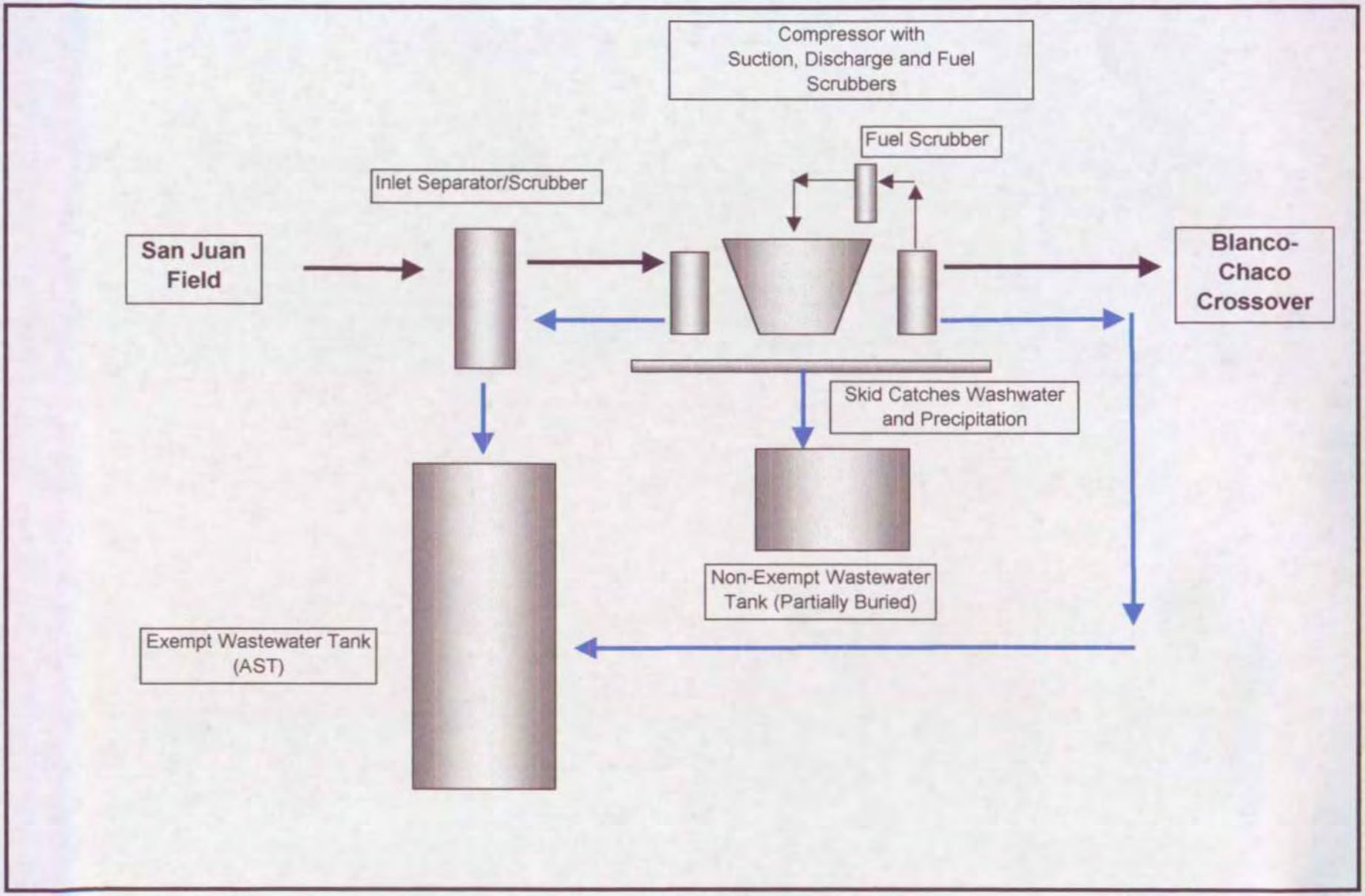


Plate 1: Process Map of Angel Peak Compressor Site

Affirmation

I here by certify that I am familiar with the information contained in and submitted with this discharge plan for the Angel Peak Compressor Site, and that such information is true, accurate, and complete to the best of my knowledge and belief.

David Bays

David Bays, REM
Sr. Environmental Scientist

Date: June 1, 2000

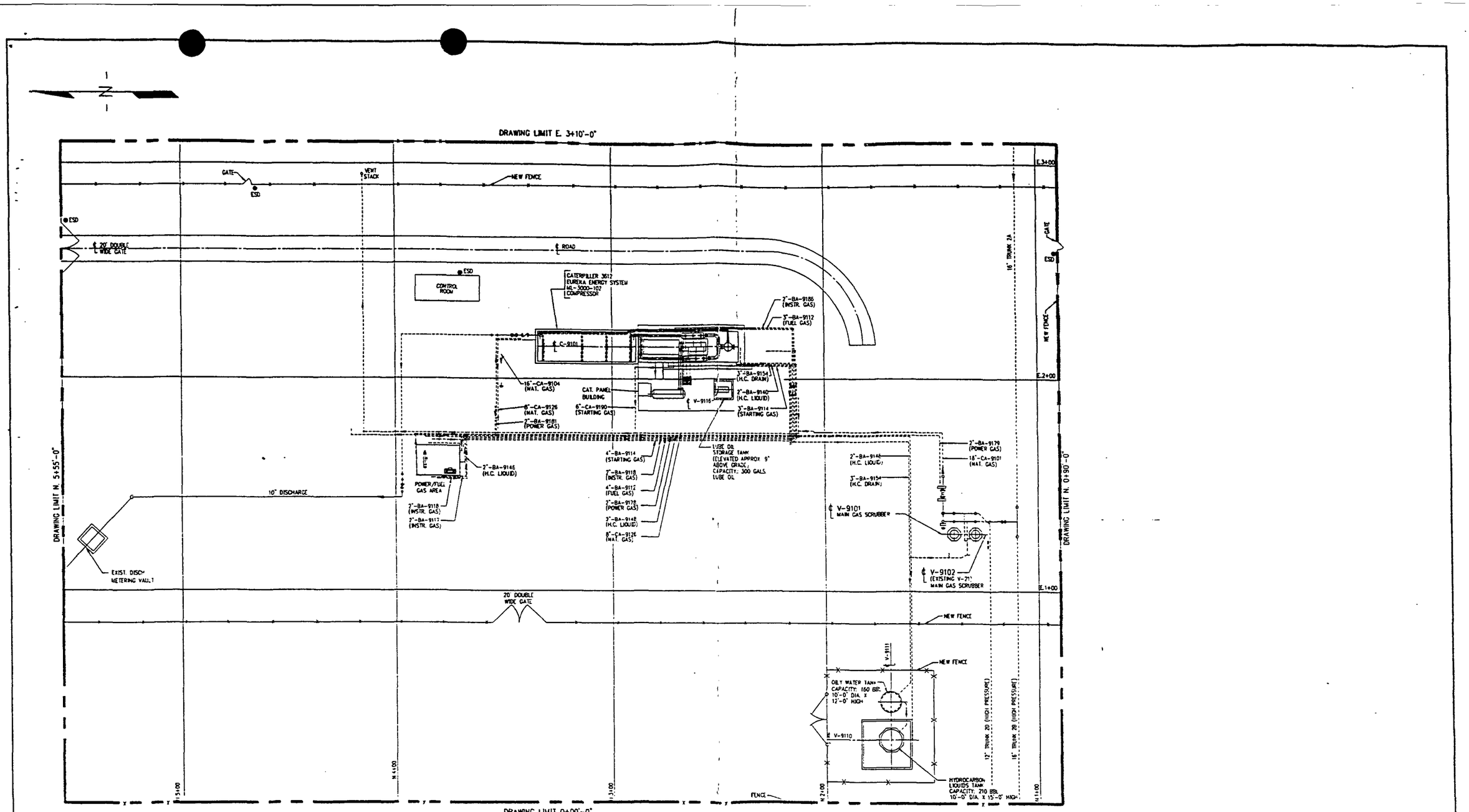
Map source: USGS East Fork Kutz Canyon, New Mexico 7.5 minute quadrangle map

N

1000 0 2000 feet

R.T. HICKS CONSULTANTS, LTD.
4665 Indian School Road NE Suite 106 Albuquerque, NM 87110
505.266.5004 Fax: 505.266.7738

El Paso Field Services	Tab A
Location of Angel Peak Compressor Site	May, 2000



NOTE:
1) CONTRACTOR IS TO VERIFY ALL EXISTING U/G PIPLINES PRIOR TO FABRICATION WITH E.P.N.G. PERSONNEL AND REROUTE OR TERMINATE PER E.P.N.G. INSTRUCTIONS.

LEGEND

REFERENCE DRAWINGS

DWG. NO.	TITLE
2AP-1-P8	PLOT PLAN

REVISIONS

NO	DATE	BY	DESCRIPTION	W.O.	APP.
0	5/20		ISSUED FOR CONSTRUCTION	L-5614	

PRINT RECORD

PRT/SEP	DATE	TO	W.O.

FISH ENGINEERING & CONSTRUCTION PARTNERS, LTD. HOUSTON, TEXAS

JOB NO. 2271.058

ENG. RECORD	DATE
DRAFTING DESIGN	SRD 9/23/94
COMPUTER GRAPHICS	SRD 9/23/94
CHECKED	
PROJECT APPROVAL	
DESIGN APPROVAL	
COMPUTER SAVE NAME	2AP1PXX

El Paso Natural Gas Company

ANGEL PEAK COMPRESSOR STATION
GENERAL PIPING PLAN

SCALE: 1"=20'-0" | DWG. NO. 2AP-1-PXX | REV. 0

W.O. L-5614

DLH 02/16/95 10:11 2AP1PX2.dwg

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

Jennifer A. Salisbury
CABINET SECRETARY

Oil Conservation Div.
Environmental Bureau
2040 S. Pacheco
Santa Fe, NM 87505

February 24, 2000

CERTIFIED MAIL
RETURN RECEIPT NO. Z-142-564-959

Mr. David Bays, REM
El Paso Field Services
614 Reilly Avenue
Farmington, New Mexico 87401

RE: Discharge Plan Renewal Notice for El Paso Field Services Facilities

Dear Mr. Bays:

El Paso Field Services has the following discharge plans which expire during the current calender year.

GW-189 expires 6/5/2000 – Angel Peak Compressor Station
GW-188 expires 6/5/2000 - 3B-1 Compressor Station
GW-188-1 expires 8/3/2000 – Hart Canyon No. 1 Compressor Station
GW-188-2 expires 8/3/2000 – Hart Canyon No. 2 Compressor Station
GW-188-3 expires 8/3/2000 – Hart Canyon No. 3 Compressor Station

WQCC 3106.F. If the holder of an approved discharge plan submits an application for discharge plan renewal at least 120 days before the discharge plan expires, and the discharger is not in violation of the approved discharge plan on the date of its expiration, then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved. A discharge plan continued under this provision remains fully effective and enforceable. An application for discharge plan renewal must include and adequately address all of the information necessary for evaluation of a new discharge plan. Previously submitted materials may be included by reference provided they are current, readily available to the secretary and sufficiently identified to be retrieved. [12-1-95]

The discharge plan renewal application for each of the above facilities is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of $50.00 plus a flat fee equal to one-half of the original flat fee for gas processing facilities. The $50.00 filing fees is are be submitted with the discharge plan renewal applications and are nonrefundable.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office. Please submit the original discharge plan renewal application and one copy to the OCD Santa Fe Office and one copy to the OCD Aztec District Office. **Note that the completed and signed application form must be submitted with your discharge plan renewal request.** (Copies of the WQCC regulations and discharge plan application form and guidelines are enclosed to aid you in preparing the renewal application. A complete copy of the regulations is also available on OCD's website at **www.emnrd.state.nm.us/ocd/**).

If any of the above sited facilities no longer has any actual or potential discharges and a discharge plan is not needed, please notify this office. If the El Paso Field Services has any questions, please do not hesitate to contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Oil Conservation Division

cc: OCD Aztec District Office

OCD

Z 142 564 959

FORD

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail *(See reverse)*

Sent to D. Bays	
Street & Number EPFS	
Post Office, State, & ZIP Code Farmington	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, D... ...ssee's Address	
...	$
Postm... ...Date	GW-189

FEB 24 2000

PS Form 3800, April 1995

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

February 20, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-963-023

Mr. David Bays
EPFS
P.O. Box 4990
Farmington, NM 87499

RE: Discharge Plan Inspection
Angel Peak Compressor Station GW-189
San Juan County, New Mexico

Dear Mr. Bays:

The OCD along with EPFS personnel inspected the Angel Peak Compressor Station located at Section 8, Township 27 North, Range 10 West, NMPM, San Juan County, New Mexico. The purpose of this inspection was to ensure that GW-189 a newly built compressor site was in compliance with the NMOCD approved discharge plan. During the inspection the NMOCD took photographs of the Angel Peak facility and duplicate copies of these photos are enclosed for EPFS' reference. The bullet points that follow will note areas of improvement for the permit GW-189 site.

- The secondary containment needs to be checked on a more frequent basis - perhaps monthly and by operations personnel rather than lab personnel. Also a record of these inspections should be maintained at the Angel Peak site control room so that the NMOCD may view the findings of such inspections. The same also applies for secondary containment area and the below grade valve box between the two tanks.

- Minor housekeeping points such as the racking of small oil spills so that they may biodegrade onsite. Any mislabelled drums shall be properly labeled and all empty drums shall be stored on their side with the bungs in place and horizontal to the ground.

- All product drums need to be stored upright with the bungs in place and on pad and curb type containment. All miscellaneous debris for the demolition of the Old Angel Peak Plant shall be removed from the site. Contractors that come on to the site shall be required to pick-up after themselves and not leave buckets and etc. full of used lube oil at the site.

Overall the facility appears to be well maintained and in compliance with the OCD Discharge Plan GW-189 permit conditions.

Should EPFS have any questions regarding this inspection please feel free to call me at (505)-827-7156.

Sincerely,

Patricio W. Sanchez
Petroleum Engineer

Z 765 963 023

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

UNITED STATES POSTAL SERVICE

Sent to DAVID BAY	
Street and No. EPFS - Angel Peak	
P.O., State and ZIP Code GW-189	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form **3800**, March 1993

xc: Denny Foust - Aztec District.

EPFS GW-189

Angel Peak

Discharge Plan Inspection

2/12/96

photos Taken by NMOCD.

GW-189

Photo No. 3 EPFS Angel Peak 2/12/96

Photo No. 4 EPFS Angel Peak 2/12/96

GW 184 Angel Peak Compressor 2/12/96

Phata No. 1 EPFS Angel Peak 2/12/96

Photo No. 2 EPFS Angel Peak 2/12/96

GW-189

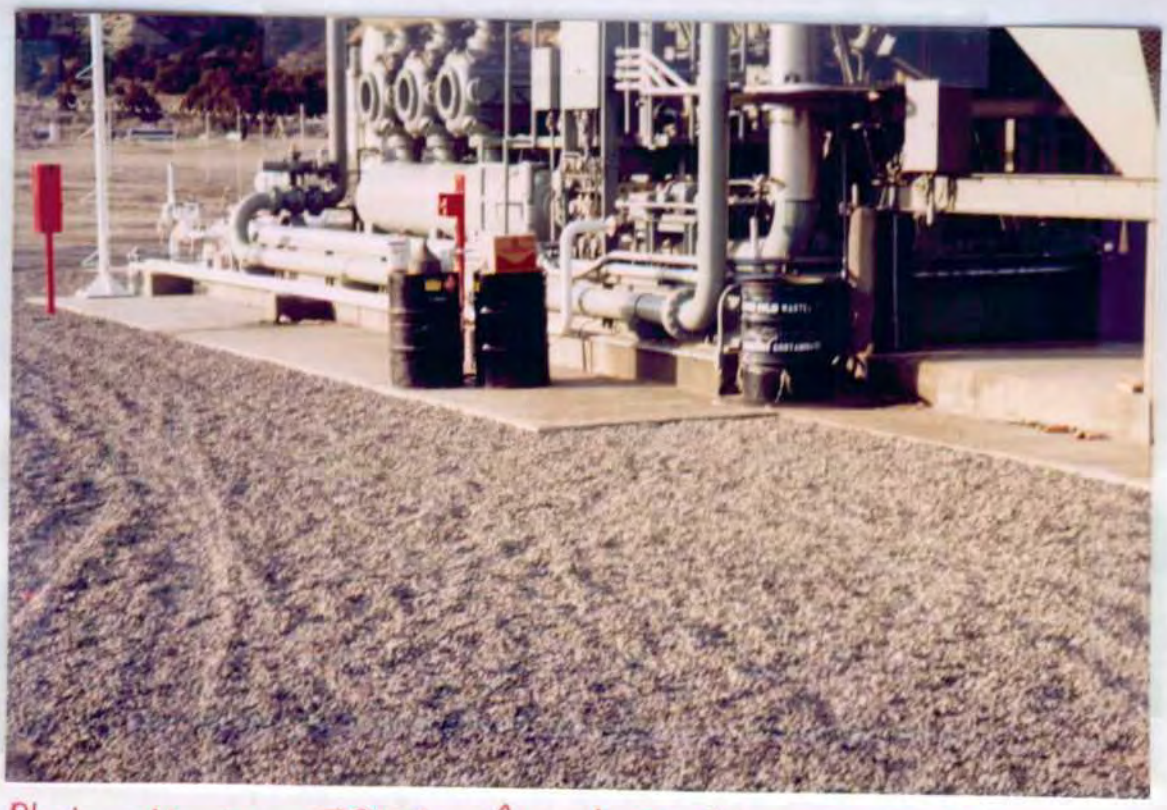


Photo No. 5 EPFS Angel Peak 2/12/96

Photo No. 6 EPFS Angel Peak 2/12/96

GW-189

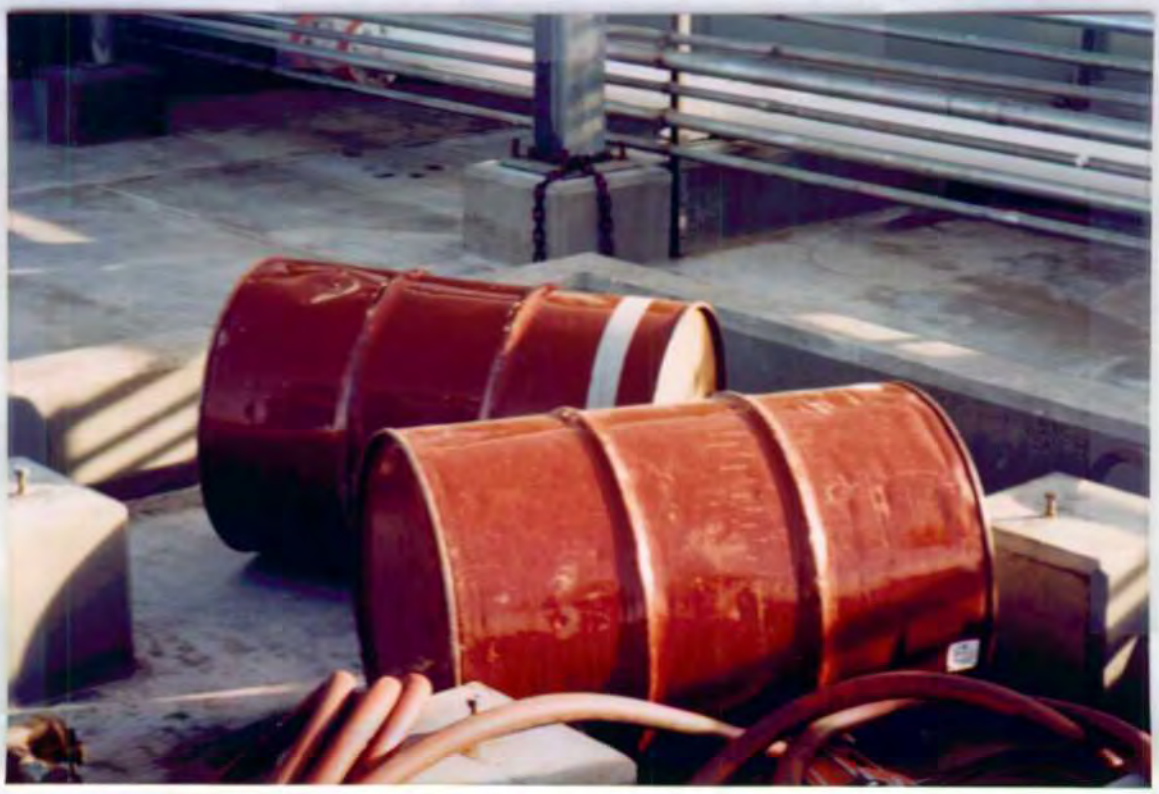


Photo No. 7 EPFS Angel Peak 2/12/96

Photo No. 8 EPFS Angel Peak 2/12/96

EPFS
EL PASO FIELD SERVICES

OIL CONSERVATION DIVISION
RECEIVED
P. O. Box 4990
FARMINGTON, NEW MEXICO 87499

'96 JAN 8 AM 8 52

January 5, 1996

Mr. .Roger Anderson
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe. NM 87505

Dear Mr. Anderson:

Effective January 1, 1996, the El Paso Natural Gas Co. Field Services Division was "spun down" into a separate company. All gathering operations in the San Juan Basin, Permian Basin, and Anadarko Basin are now part of El Paso Field Services Company.

This is to inform you that the following facilities, formerly owned by El Paso Natural Gas Co., are now owned by El Paso Field Services Company:

Discharge Plan Number	Facility Name
GW-189	Angel Peak Plant
GW-212	Ballard Plant
GW-232	Carlsbad Trunk A Station
GW-186	Kutz Plant
GW-211	Largo Plant
GW-209	Lindrith Plant
GW-188	3-B1 Plant
GW-188-1	Hart Canyon #1 Station
GW-188-2	Hart Canyon #2 Station
GW-188-3	Hart Canyon #3 Station
GW-153	2B-3A Station
GW-154	2B-3B
GW-154	3B-3B

In addition, the Blanco Plant, Discharge Plan GW-049, and the Chaco Plant, Discharge Plan GW-071, are both still owned by El Paso Natural Gas Co., but are to be operated by El Paso Field Services Co. The individual contact names on file in the current Discharge Plans are still correct for all facilities, only the owner and/or operator company name has changed.

If you have any questions, or need additional information, please call me at (505) 599-2256.

Sincerely yours,

David Bays

David Bays, REM
Sr. Environmental Scientist

cc: Denny Foust - NMOCD - Aztec, NM
S. D. Miller/P. J. Marquez

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

June 30, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. P-176-012-151

Mr. David Bays
El Paso Natural Gas Company
P.O. Box 4990
Farmington, New Mexico 87499

Re: Facility Closure Plan

Dear Mr. Bays:

The New Mexico Oil Conservation Division (OCD has completed a review of El Paso Natural Gas Company's (EPNG) May, 1995 "PROPOSED DEMOLITION PLAN" which was received by the OCD May 15, 1995. This document contains EPNG's plan for closure of six (6) facilities in the San Juan Basin. The six facilities are:

- Angel Peak
- 3B-1
- Kutz Plant
- Lindrith Plant
- Largo Plant
- Ballard Plant

The above referenced facility closure plan is approved with the following conditions:

1. All soil samples for verification of completion of remedial activities will be sampled and analyzed for benzene, toluene, ethylbenzene, xylene and total petroleum hydrocarbons in accordance with the OCD's "SPILL, LEAK REMEDIATION GUIDELINES".

2. EPNG will notify the OCD-Environmental Bureau Chief and the OCD Aztec District Office within 24 hours of the discovery of groundwater contamination related to any facility closure activity.

3. For each facility closed, upon completion of all closure activities, EPNG will submit to the OCD for approval a completed closure report which will detail the

final results of each facility closure describing all assessments, dirt work, pit closures, and any other associated remedial activity.

4. All wastes removed from any of the facilities will be disposed of at an OCD approved facility.

5. All original documents submitted for approval will be submitted to the OCD Santa Fe Office with copies provided to the OCD Aztec Office.

Please be advised that OCD approval does not relieve EPNG of liability should closure activities determine that contamination exists which is beyond the scope of the work plan or if closure activities fail to adequately remediate contamination related to the facility. In addition, OCD approval does not receive EPNG of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have any questions, please call me at (505) 827-7153.

Sincerely,

Chris Eustice
Environmental Geologist

cc: OCD Aztec Office - Denny Foust

El Paso Natural Gas Company

P. O. Box 4990
FARMINGTON, NM 87499
PHONE: 505-599-2202

April 6, 1995

Certified Mail
Return Receipt Number P 645 521 837

Mr. William L. LeMay, Director
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

Re: Proposed Demolition Plan

Dear Mr. LeMay:

El Paso Natural Gas Company is constructing six new compressor stations to replace six existing "grandfathered" stations. These station are:

Facility	Estimated Start of Demolition
Angel Peak	June 19, 1995
3B-1	July 3, 1995
Kutz Plant	July 3, 1995
Lindrith Plant	September 4, 1995
Largo Plant	September 18, 1995
Ballard Plant	October 9, 1995

A plan for removal and disposition of the existing station is attached. For any additional information needed, please contact me at the above address, or at (505) 599-2256.

Sincerely yours,

David Bays

David Bays, REM
Sr. Environmental Scientist

cc: w/o attachments
Mr. David Hall
Ms. Sandra Miller

EL PASO NATURAL GAS COMPANY
COMPRESSOR STATION CLOSURE PLAN

I. ENGINES, COMPRESSORS. PIPING, AND ANCILLARY STATION EQUIPMENT

All usable station hardware will be either reused by EPNG or sold for reuse in natural gas service. Unusable equipment will be sold as scrap metal.

II. HAZARDOUS WASTE

EPNG does not anticipate generating any hazardous waste during the demolition project. However, any wastes generated which are determined to be hazardous as defined by EPA and NMED regulations will be disposed of off-site at a properly permitted hazardous waste disposal facility.

III. SPECIAL WASTE

A. Insulation

All insulation will be checked to determine presence of asbestos. Any asbestos containing material (ACM) will be disposed of in an approved ACM landfill. Non-asbestos insulation will be disposed of as solid waste.

B. Used Oil

All used oil will be containerized and transported off-site for recycling. If an oil spill occurs, the contractor will take immediate steps to contain the spill and recover as much free liquid as is possible. Spill notifications will be made in accordance with NMOCD Rule 116.

C. Used Antifreeze

Glycol based coolants will be reused to the extent possible. If the coolant is not reusable, it will be either recycled or disposed off-site in accordance with OCD regulations.

D. Oil/Hydrocarbon Contaminated Soil

Presence of oil or hydrocarbon contamination will be determined using a Photo-ionization Detector (PID). All soils containing oil or hydrocarbons over 100 ppm will remediated in accordance with NMOCD Guidelines for Remediation of Leaks, Spills, and Releases.

E. Pits, Ponds, or Lagoons

Pits or ponds (if any) which do not meet current OCD guidelines for leak detection and secondary containment will be closed in accordance with NMOCD Unlined Surface Impoundment Closure Guidelines. For any pits or ponds which require closure and/or remediation, a site specific closure plan will be developed. The site specific plans will address remediation methods and procedures for determining any potential groundwater impact.

F. Chlorofluorocarbons

If any refrigeration equipment is to be removed, it will first have all freon evacuated for reuse in other similar equipment.

IV. BUILDING FOUNDATIONS

Steel foundation supports and tie downs will be sold as scrap metal. All above ground sections of concrete, including the above grade portions of the compressor building foundations, will be removed or demolished to a depth of 12 inches below grade. The removed and/or demolished concrete will be placed in the existing station basement for on-site burial.

V. GENERAL DEMOLITION DEBRIS

All non-degradable inert waste (rocks, concrete, etc.) generated by the demolition will be placed in the basement of the existing compressor building for burial on-site. Degradable waste (scrap lumber, vegetation, etc.) will be transported off-site for disposal at an approved public landfill.

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. 7345629 dated 6/15/95,

or cash received on 7/7/95 in the amount of $ 2810.00

from EPNG

for Lindrith C.S 50.00 GW 209
3B-1 C.S 1380.00 GW 188
Angle peak 1380.00 GW 189
(Facility Name) (OP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: Roger Anderson Date: 7/10/95

Received in ASD by: @@ Date: 7-11-95

Filing Fee ✓ New Facility ✓ Renewal ____

Modification ____ Other _____
(specify)

Organization Code 5207 Applicable FY 96

To be deposited in the Water Quality Management Fund.

Full Payment ____ or Annual Increment ____

THIS MULTI-TONE AREA OF THE DOCUMENT CHANGES COLOR GRADUALLY AND EVENLY FROM DARK TO LIGHT WITH DARKER AREAS BOTH TOP AND BOTTOM

El Paso Natural Gas Company
P.O. BOX 1492
EL PASO, TX 79978

07345629

232 CBD

PAYABLE AT
CITIBANK DELAWARE
A SUBSIDIARY OF CITICORP
ONE PENN'S WAY
NEW CASTLE, DE 19720

62-20
311

06/15/95
Date

PAY TO THE ORDER OF

NMED WATER QUALITY MANAGEMENT
2040 S PACHECO
SANTA FE NM 87505

PAY AMOUNT
$2,810.00
Void After 1 Year

John M. Brown Jr.

COPYRIGHT ANTI FRAUD PROTECTION PATENTS 4,210,346; 4,227,720; 4,310,180; 5,197,766

⑈07345629⑈ ⑆031100209⑆ 3869160⑈

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

June 5, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-693

Mr. David Bays
El Paso Natural Gas Company
P.O. Box 4990
Farmington, NM 87499

RE: Approval of Discharge Plan GW-189
Angel Peak Compressor Station
San Juan County, New Mexico

Dear Mr. Bays:

The **discharge plan GW-189 for the El Paso Angel Peak Compressor Station** located in NE/4 NE/4, Section 8, Township 27 North, Range 10 West, NMPM, San Juan County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. The discharge plan consists of the application and its contents dated March 24, 1995 and subsequent information received on May 18, 1995.

The discharge plan application was submitted pursuant to Section 3-106 of the New Mexico Water Quality Control Commission Regulations. Please note Sections 3-109.E and 3-109.F which provide for possible future amendments or modifications of the plan. Please be advised that the approval of this plan does not relieve El Paso Natural Gas Company of liability should the operations associated with this facility result in pollution of surface water, ground water, or the environment which may be actionable under other laws and/or regulations.

Please be advised that all exposed pits, including lined pits and open top tanks (tanks exceeding 16 feet in diameter), shall be screened, netted, or otherwise rendered nonhazardous to wildlife including migratory birds.

Please note that Section 3-104 of the regulations requires that "When a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3-107.C you are required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

Pursuant to Section 3-109.G.4, this plan is for a period of five (5) years. This approval will expire June 5, 2000, and you should submit an application for renewal in ample time before this date.

The discharge plan application for the Angel Peak Compressor Station is subject to the WQCC Regulation 3-114 discharge plan fee. Every billable facility submitting a discharge plan will be assessed a fee equal to the filing fee of fifty dollars ($50) plus the flat fee of one-thousand, three-hundred and eighty dollars ($1380.00) for Compressor Stations exceeding 3,000 Horsepower at site conditions.

The $50 filing fee has been received by the OCD. The flat fee for an approved discharge plan has not been received by the OCD. The flat fee check should be submitted to the **NMED - Water Quality Management** through the NMOCD office in Santa Fe, New Mexico.

On behalf of the staff of the Oil Conservation Division, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,

William J. LeMay
Director

WJL/pws
Attachment

xc: Denny Foust , OCD Aztec Office

ATTACHMENT TO DISCHARGE PLAN GW-189 APPROVAL
El Paso Natural Gas Company - Angel Peak Compressor Station
DISCHARGE PLAN REQUIREMENTS
(June 5, 1995)

1. Tank Berming: All tanks that contain materials other than fresh water that, if released, could contaminate surface or ground water or the environment will be bermed to contain 1 1/3 times the capacity of the tank or 1 1/3 times the volume of all interconnected tanks.

2. Drum Storage: All drums will be stored on pad and curb type containment.

3. Spills: All spills and/or leaks will be reported to the OCD district office pursuant to WQCC Rule 1-203 and OCD Rule 116.

4. Modifications: All proposed modifications that include the construction of any below grade facilities or the excavation and disposal of wastes or contaminated soils will have OCD approval prior to excavation, construction or disposal.

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan renewal application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-087) - WILLIAMS Field Services, P.O. Box 58900, M.S. 2G1, Salt Lake City, Utah, 84158-0900 has submitted a Discharge plan application for their La Cosa Compressor facility located in the NE/4 nw/4, Section 34, Township 29 North, Range 11 West, NMPM, San Juan County, near Bloomfield, New Mexico. The total wash water discharge will be about 53 gallons/day, this water will be collected in a closed top tank and transported offsite for disposal at an OCD approved facility; Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 140 feet with a total dissolved solids concentration of approximately 2,000 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-189) - EL PASO NATURAL GAS Company, 100 N. Stanto, El Paso, Texas, 79901 has submitted a Discharge plan application for their 3B-1 Plant facility located in the SE/4 NW/4 SW/4, Section 33, Township 30 North, Range 9 West, NMPM, San Juan County, near Blanco, New Mexico. The total discharge will be about 15 gallons/day; This fluid will consist of oil and water and will be discharged to closed top storage tanks on the slight-hydorcarbon phase will be separated from the water and recycled. The waster water will then disposed of by evaporation at an approved OCD facility evaporation pond. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 50 feet with a total dissolved solids concentration of approximately 1,000 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-189) - EL PASO NATURAL GAS Company, 100 N. Stanton, El Paso, Texas, 79901 has submitted a Discharge plan application for their Angel Park Plant facility located in the NE/4 NE/4, Section 8, Township 27 North, Range 10 West, NMPM, San Juan County, near Bloom field, New Mexico. The total discharge will be about 15 gallons/day; This fluid will consist of oil and water and will be discharged to closed top storage tanks on the slight-hydrocarbon phase will be separated from the water and recycled. The waster water will then disposed of by evaporation at an approved OCD facility evaporation pond. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 900 feet with a total dissolved solids concentration of 510 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-024) - GAS COMPANY OF NEW MEXICO, Alvarado Square, Albuquerque, New Mexico, 87158-0900 has submitted a renewal application for the previously approved discharge plan for their Avalon Natural Gas Plant facility located in the NW/4 SE/4, Section 9, Township 21 South, Range 27 East, NMPM, Eddy Couty, near Carlsbad, New Mexico. Approximately 1,050 gallons/day of process wastewater is diposed of in an OCD approved offsite diposal facility. The wastewater has a total dissolved solids concentration of approximately 2600 mg/L. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at depth of approximately 80 feet with a total dissolved solids concentration of 1100 mg/L. The discharge plan address how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-179) - T&C TAnk Rental and Anchor Service Corporation, Mark Spolton, Manager, 11262 E. Highway 82, Artesia, New Mexico, 88210 has submitted a discharge plan application for their Artesia facility located in the E/2 NE/4, Section 18, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico. Approximately 630 gallons/day of produced water, with a total dissolved solids concentration of approximately 20,000 mg/L and will be collected and stored in a netted open top tank prior to transport to an offsite OCD approved disposal site. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 224 feet with a total dissolved solids concentration of approximatley 1973 mg/L. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan applications may be viewed at the above address between 8:00 a.m. and 5:00 p.m. Monday through Friday. Prior to ruling on any proposed discharge plan of its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the Director determines that there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on the information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 28th day of April, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
s/WILLIAM J. LEMAY, Director

Journal: May 5, 1995.

STATE OF NEW MEXICO
County of Bernalillo SS

Bill Tafoya being duly sworn declares and says that he is Classified Advertising manager of **The Albuquerque Journal**, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made of assessed as court cost; that the notice, copy of which is hereto attached, was published in said paper in the regular daily edition, for ____ times, the first publication being of the 5 day of May, 1995, and the subsequent consecutive publications on ____, 1995

Bill Tafoya

Sworn and subscribed to before me, a notary Public in and for the County of Bernalillo and State of New Mexico, this 9th day of May 1995

PRICE $ 71.99

Statement to come at end of month.

CLA-22-A (R-1/93) ACCOUNT NUMBER 180937

El Paso Natural Gas Company

P. O. Box 4990
FARMINGTON, NEW MEXICO 87499

May 18, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. P 645 521 856

New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

Attn: Mr. Patricio Sanchez

RE: Discharge Plan GW-189
Angel Peak Compressor Station
San Juan County, New Mexico

Dear Mr. Sanchez:

In response to your comments regarding the Angel Peak Compressor Station Discharge Plan, number GW-189, El Paso Natural Gas Co. (EPNG) submits the following:

1. Section VII. Transfer and Storage of Process Fluids and Effluent.

   EPNG will characterize the initial fluids collected in the 160 barrel below grade tank prior to disposal. After the characterization of the initial tank full collected, it is EPNG's procedure to re-characterize non-exempt waste streams either annually, or at anytime there is a change to the effluent stream (such as introducing a new type of oil into the process, for example).

2. Section VIII. Effluent Disposal.

   Effluent disposal of non-exempt wastes will be based on the waste characterization (please see item 1, above).

3. Section X. Spill/Leak Prevention and Reporting (Contingency Plans)

In the event of any discharge of oil or other water contaminate, EPNG will comply with all notification requirements of Water Quality Control Commission requirements at Section 1-203.

If you have any further comments about this discharge plan, or need any additional information, please call me at (505) 599-2256.

Sincerely yours,

David Bays

David Bays, R.E.M.

cc: Mr. Denny Foust - NMOCD, Aztec
Ms. Sandra Miller (E-mail)
file 5203

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

May 12, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-681

Mr. David Bays
El Paso Natural Gas Company.
P.O. Box 4990
Farmington, NM 87499

RE: Discharge Plan GW-189
Angel Peak Compressor Station
San Juan County, New Mexico

Dear Mr. Bays:

The NMOCD has received the proposed Angel Peak Compressor Station discharge plan application for the facility located in NE/4 NE/4 , Section 8, Township 27 North, Range 10 West, NMPM, San Juan County, New Mexico. The application filing fee in the amount of $50 was received by the NMOCD along with the discharge plan application. The NMOCD has prepared and sent out the public notice for the Angel Peak Compressor Station facility as stated in WQCC section 3-108. NMOCD has conducted a preliminary review of the proposed discharge plan as received from El Paso Natural Gas Company on March 30, 1995.

The following comments and request for additional information are based on the review of the El Paso Natural Gas Company Angel Peak Compressor Station application. **Please note that unless otherwise stated, El Paso Natural Gas' response to all comments shall be received and reviewed by the OCD prior to approval of the discharge plan application.**

1. Under Section VII. Transfer and Storage of Process Fluids and Effluent.

   NOTE: Fluids that are received in the 160 bbl below grade tank are non-exempt and would have to be characterized for hazardous constituents before disposal.

A. **Item F. Underground Pipelines**

When will these lines be tested and at what frequency?

2. Under section VIII. Effluent Disposal

NOTE: refer to Note on first page.

3. Under section X. Spill/Leak....

NOTE: Also be aware of section 1-203 WQCC spill reporting requirements as well as NMOCD Rule 116 reporting.

Submittal of the requested information and commitments in a timely fashion will expedite the final review of the application and approval of the discharge plan.

If you have any questions, please feel free to call me at (505)-827-7156.

Sincerely,

Patricio W. Sanchez
Petroleum Engineer

xc: denny foust

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☐ Telephone ☐ Personal | Time 2:23 pm ~~2:35 pm~~ | Date 4-21-95

Originating Party	Other Parties
PATRICK MARQUEZ (EPNG)	ROGER ANDERSON OCD-EI
	CHRIS EUSTICE OCD-EB

Subject

Hydrotesting an inlet scrubber at Angel Peak 3B-1 Gas Plant

Discussion

EPNG wants to hydrotest an inlet scrubber their ~~using~~ going to be using at their Angel Peak 3-B1 gas plant, which is currently under construction with an application yet to be submitted to the OCD for Discharge Plan permit.
EPNG wanted to know if they needed specific authorization for the discharge of the hydrotest water.

Conclusions or Agreements

Roger & Chris stated OCD would give verbal approval and this would become part of the discharge plan.

Distribution

Signed C. Eustice

AFFIDAVIT OF PUBLICATION

No. 34728

STATE OF NEW MEXICO
County of San Juan:

ROBERT LOVETT being duly sworn says: That he is the Classified Manager of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication on the following day(s):

Thursday, May 4, 1995

and the cost of publication was: $114.42

Robert Lovett

On 5/4/95 ROBERT LOVETT appeared before me, whom I know personally to be the person who signed the above document.

My Commission Expires

COPY OF PUBLICATION

Legals

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulat the following discharge plan applications and renewal application has been submitted to the D tor of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, T phone (505) 827-7131:

(GW-187) - WILLIAMS Field Services, P.O. BOX 58900, M.S. 2G1,Salt Lake City, Utah, 84158-0900 has submitted a Discharge plan application for their La Cosa Compressor facility located in the NE/4 NW/4, Section 34, Township 29 North, Range 11 West, NMPM, San Juan County, near Bloomfield New Mexico. The total wash water discharge will be about 53 gallons/day, this water will be collected in a closed top tank and transported offsite for disposal at an OCD approved facility; Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 140 feet with a total dissolved solids concentration of approximately 2,000 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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(GW-188) - EL PASO NATURAL GAS Company, 100 N. Stanton, El Paso, Texas,79901 has submitted a Discharge plan application for their 3B-1 Plant facility located in the NE/4 NW/4 SW/4, Section 33, Township 30 North, Range 9 West, NMPM, San Juan County, near Blanco New Mexico. The total discharge will be about 15 gallons/day; This fluid will consist of oil and water and will be discharged to closed top storage tanks on the sight-hydrocarbon phase will be separated from the water and recycled. The waste water will then disposed of by evaporation at an approved OCD facility evaporation pond. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 50 feet with a total dissolved solids concentration of approximately 1,500 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-189) - EL PASO NATURAL GAS Company, 100 N. Stanton, El Paso, Texas,79901 has submitted a Discharge plan application for their Angel Peak Plant facility located in the NE/4 NE/4, Section 8, Township 27 North, Range 10 West, NMPM, San Juan County, near Bloomfield New Mexico. The total discharge will be about 15 gallons/day; This fluid will consist of oil and water and will be discharged to closed top storage tanks on the sight-hydrocarbon phase will be separated from the water and recycled. The waste water will then disposed of by evaporation at an approved OCD facility evaporation pond. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 900 feet with a total dissolved solids concentration of 510 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-024) - GAS COMPANY OF NEW MEXICO, Alvarado Square, Albuquerque, New Mexico, 87158-0900 has submitted a renewal application for the previously approved discharge plan for their Avalon Natural Gas Plant facility located in the NW/4 SE/4, Section 9, Township 21 South, Range 27 East, NMPM, Eddy County, near Carlsbad New Mexico. Approximately 1,050 gallons/day of process wastewater is disposed of in an OCD approved offsite disposal facility. The wastewater has a total dissolved solids concentration of approximately 2600 mg/L. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at depth of approximately 80 feet with a total dissolved solids concentration of 1100 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-179) - T&C Tank Rental and Anchor Service Corporation, Mark Spolton, Manager, 11262 E. Highway 82, Artesia, New Mexico, 88210 has submitted a discharge plan application for their Artesia facility located in the E/2 NE/4, Section 18, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico. Approximately 630 gallons/day of produced water, with a total dissolved solids concentration of approximately 20,000 mg/L and will be collected and stored in a netted open top tank prior to transport to an offsite OCD approved disposal site. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 224 feet with a total dissolved solids concentration of approximately 1973 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 28th day of April, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

WILLIAM J. LEMAY, Director

El Paso Natural Gas Company

P. O. Box 4990
FARMINGTON, NM 87499
PHONE: 505-599-2202

March 24, 1995

Certified Mail
Return Receipt Number P 645 521 840

William L. LeMay, Director
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

Re: New Discharge Plan GW-189
Angel Peak Plant
San Juan County, NM

Dear Mr. LeMay:

El Paso Natural Gas Company is proposing to construct a new compressor station to replace the existing "grandfathered" Angel Peak Plant. The new station will consist of a reciprocating engine and compressor unit along with normal ancillary station equipment. We currently anticipate that the new station will go on line on June 9, 1995. The existing facility will be dismantled following start up of the new unit. A site investigation/remediation plan for the removal of the old station is being developed, and will be submitted under a separate cover

I have enclosed three copies of the Discharge Plan application for the new facility, along with a check for the required $50.00 filing fee.

For any additional information needed, please contact me at the above address, or at (505) 599-2256.

Sincerely yours,

David Bays

David Bays, REM
Sr. Environmental Scientist

cc: w/o attachments
Mr. David Hall
Ms. Sandra Miller

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 3/16/95

or cash received on 4/7/95 in the amount of $ 50.00

from El Paso Natural Gas Co

for Angle Peak Comp Sta (Facility Name) GW-189 (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: Roger Anderson Date: 4-7-95

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility ____ Renewal ____

Modification ____ Other _____ (specify)

Organization Code 521.07 Applicable FY 95

To be deposited in the Water Quality Management Fund.

Full Payment ____ or Annual Increment ____

THIS MULTI-TONE AREA OF THE DOCUMENT CHANGES COLOR GRADUALLY AND EVENLY FROM DARK TO LIGHT WITH DARKER [redacted]

El Paso Natural Gas Company
P.O. BOX 1492
EL PASO, TX 79978

232 CBD

[redacted]

PAYABLE AT
CITIBANK DELAWARE
A SUBSIDIARY OF CITICORP
ONE PENN'S WAY
NEW CASTLE, DE 19720

62-20
311

03/16/95
Date

PAY AMOUNT
$50.00
Void After 1 Year

PAY TO THE ORDER OF

NEW MEXICO OIL CONSERVATION
DIVISON
ENERGY MINERALS & NATURAL
RESOURCES DEPARTMENT
P O BOX 2088
SANTA FE NM 87504

John M. Green Jr.

CORYBAN - ANTI-FRAUD PROTECTION - PATENTS 4,210,346; 4,227,720; 5,310,180; 5,197,765

[redacted]

EL PASO NATURAL GAS COMPANY

ANGEL PEAK PLANT DISCHARGE PLAN

GW 189

March 1995

Prepared for:

NEW MEXICO OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87501

El Paso Natural Gas Company
100 N. Stanton
El Paso, Texas 79901
(915) 541-2600

This Discharge Plan has been prepared in accordance with Oil Conservation Division 'Guidelines for the Preparation of Ground Water Discharge Plans at Natural Gas Processing Plants'.

I. Type of Operation

El Paso Natural Gas Company (EPNG) proposes to install a 3335 Horsepower (site rated at 3068 Horsepower) Caterpillar G3612 reciprocating engine and compressor. The compressor will compress approximately 27 MMSCFD of natural gas from low pressure San Juan Field lines (Trunk 2D, 115 psig design suction pressure) to 12" Trunk 6D to 30" Blanco-Chaco Crossover.

El Paso Natural Gas Company is the owner and will operate the compressor facility.

II. Operator/Legally Responsible Party and Local Representative

Legally Responsible Party:	Hugh A. Shaffer Vice President, Operations and Engineering El Paso Natural Gas Company 100 N. Stanton El Paso, TX 79901 (915) 541-2600
Local Representative:	Sandra Miller Superintendent, Environmental Compliance El Paso Natural Gas Company 614 Reilly Ave. Farmington New Mexico 87401 (505) 599-2141 24 hour - (505) 325-2841
Station Operator:	El Paso Natural Gas Company 614 Reilly Ave. Farmington, New Mexico 87401 (505) 325-2841

III. Location of Facility

The proposed facility is located in NE/4, NE/4 Section 8, Township 27N, Range 10W, San Juan County, New Mexico. A topographic map is under Tab A. From Bloomfield, NM travel approximately six miles south on Highway 44, then turn left at the EPNG Angel Peak Compressor Station sign and travel approximately six miles on County Road 14326 to Angel Peak Compressor Station.

IV. Landowner

El Paso Natural Gas Company
100 N. Stanton
El Paso, TX 79901
(915) 541-2600

V. Facility Description

A plot plan of the facility indicating location of fences, gates, foundations, and equipment on the facility is attached at Tab B.

VI. Sources, and Quantities of Effluent

A. Equipment

(1) Main Gas Separator-Scrubber

A two phase inlet separator will separate the gas and liquids. A mixture of hydrocarbons and water will discharge to the 210 BBL Hydrocarbon Liquids Tank. The maximum discharge volume from this scrubber is estimated to be 10 barrels per month. The exact volume of liquids will vary depending upon quality of the gas.

(2) Gas Compressor Suction Scrubber

The Gas Compressor Suction Scrubber is an additional scrubber contained on the Engine/Compressor skid. Liquids removed by this vessel will be discharged to the Hydrocarbon Liquids Tank The discharge from this scrubber is estimated to be less than 10 gallons per month.

Engine/Compressor

A 3335 HP (site rated at 3068 HP) engine driven compressor will be installed on the site. The compressor/engine is mounted on a common skid to be installed on a concrete foundation one foot above grade. The skid is constructed to contain incidental drips, spills and rain water, which are drained to a 160 BBL double walled steel, below grade Oily Water Tank. Additionally, a drain will be attached to the packing vent to allow for oil collection should sufficient oil leak across the seals. This liquid will also be discharged into the Oily Water Tank. The amount of liquids draining from the skid is estimated to be 10 gallons per month.

A 300 gallon elevated lubricating makeup oil tank is built into the compressor skid. No discharge of waste oil is anticipated.

(1) + (2) + (3) + (4)

420 + 10 + 10 + 1 = 441 gal/mon

or ≈ 5,300 gal/yr.

(3) Compressor Discharge Separator-Scrubber

A Separator-Scrubber will be installed on the compressor discharge to remove oil and water from the compressed gas. Approximately 1 gallon per month will be discharged from this scrubber into the Hydrocarbon Liquids Tank.

(4) Fuel Gas Filter/Separator

Fuel will be supplied from the compressor discharge line. A fuel gas filter/separator will be installed at the inlet of the fuel gas line. Separated liquids will be discharged to the Hydrocarbon Liquids Tank. The volume of liquid from the fuel filter, a mixture of hydrocarbons and water, is estimated to be less than 1 gallon per month and will be discharged into the Hydrocarbon Liquids Tank. The volume of liquids will vary depending the quality of the gas.

B. Lubricating Oil, Waste Lubricating Oil and Used Engine Oil Filters

One compressor oil filter will be replaced every month. Three engine oil filters will be replaced every month. The engine oil filters will be allowed to completely drain and then transported to the Crouch Mesa Landfill for disposal.

The fuel gas filter will be replaced as needed depending on the quality of the gas. The fuel gas filter will be allowed to drain and will be completely free of any liquids prior to disposal at the Crouch Mesa Landfill. EPNG will be responsible for disposal of the fuel filters.

C. Vessel Summary

1) Hydrocarbon Liquids Tank - Approximately 430 gallons of oil and water per year.

2) Oily Water Tank - Only incidental oil and water from spills and rain water.

D. Engine Cooling Water

There will not be a cooling water surge tank associated with these engines. A contractor will be responsible to check and add coolant as needed each week.. A mixture of ethylene glycol and water will be used as coolant. If it is necessary to drain the cooling water system for maintenance or repairs, the cooling water will be drained into steel drums or a small tank mounted on a pickup truck. After maintenance and/or repairs, the cooling water will be placed back into the cooling system. Since this is a closed system, no operational discharge is expected.

VII. *Transfer and Storage of Process Fluids and Effluent*

A. Summary Information

Source	Onsite Collection
Main Gas Separator-Scrubber	210 BBL Hydrocarbon Liquids Tank
Gas Compressor Suction Scrubber	210 BBL Hydrocarbon Liquids Tank
Engine/Compressor	160 BBL Oily Water Tank
Compressor Discharge Separator Scrubber	210 BBL Hydrocarbon Liquids Tank
Fuel Gas Filter Separator	210 BBL Hydrocarbon Liquids Tank
Floor/Skid Drains	160 BBL Oily Water Tank

B. Water and Wastewater Schematic

The plot plan at Tab B indicated the location of the wastewater system components.

C. Specifications

Pipelines - All wastewater piping to both the 210 BBL Hydrocarbon Liquids Tank and the 160 BBL Oily-Water Tank are below ground.

D. Fluids Disposal and Storage Tanks

The hydrocarbons from the 210 barrel, and 160 barrel storage tanks will be recycled. The water fraction from the tanks will be separated and either discharged into a lined pond at EPNG's Kutz Separator (a centralized waste management facility), or disposed in a manner consistent with OCD regulations.

E. Prevention of Unintentional and Inadvertent Discharges

All storage tanks for fluids other than fresh water are bermed to contain a volume one-third more that the tank contents. All above ground tanks will be placed on a gravel pad or placed on an elevated stand so that leaks can be visually detected. The below grade 160 BBL tank will be constructed of double walled steel and the interstitial space will be inspected weekly.

There will be no chemical or drum storage area. Drums utilized to contain engine cooling water, or waste oil will be removed from the site at the end of each working day. A copy of the Material Safety Data Sheets for ethylene glycol and lubricating oil are under Tab D.

F. Underground Pipelines

All wastewater underground piping carrying waste liquids will be hydrostatically tested at a minimum of three pounds over operating pressure for a minimum of four hours.

VIII. Effluent Disposal

Offsite Disposal

All liquids from this site will be handled in accordance with OCD and NMED regulations. Liquids from this site are expected to be discharged into two tanks. All effluent will be recycled if possible.

EPNG will be responsible for liquids disposal from the 210 BBL tank and the 160 barrel tank. The oil and water is sent to EPNG's Kutz Separator, located approximately 1-1/2 miles north of Bloomfield, NM on Highway 44, then approximately 1 mile east on County Road 4900. The oil and water are separated at this facility and the water is placed into an evaporation pond. The oil fraction is sent to the Hay Hot Oil, Inc. recycling facility located at 24280 Road G.3 in Cortez, CO 81321. EPNG has the following hauling/disposal contracts:

Hauling Agent:

Three Rivers Trucking
603 E. Murray Drive
Farmington, NM 87401
(505) 325-8017

or

Chief Transport Co.
604 West Piñon
Farmington, NM 87401
(505) 325-2396

Final Disposal:

Oil:
Hay Hot Oil, Inc.
P.O. Box 2
Cortez, CO 81321
(303) 565-8637

Water:
Kutz Separator
Bloomfield, NM

IX. Inspection, Maintenance and Reporting

The site will be visited on a regular basis by EPNG employees. The inlet separator, filter separator, separator/treater, absorber, and regenerator, 160 BBL below grade double walled steel tank, and 210 barrel steel tank will be checked for any leaks or spills.

X. Spill/Leak Prevention and Reporting (Contingency Plans)

The compressor site will be graded and bermed so that precipitation and runoff does not cause water to enter or leave the process areas.

The 210 barrel tank will be set according to OCD guidelines so that the entire tank is exposed to visually detect leaks.

Since the site will be visited on a regular basis by EPNG, any leaks, spills, and or drips will be identified. Regular scheduled maintenance procedures will also help to assure that the equipment remains functional and thus the possibility of spills or leaks is further minimized. EPNG Compliance will be notified upon discovery of any leaks which result in any soil contamination.

Leaks, spills, and drips will be handled in accordance with OCD Rule 116 as follows:

A) Small spills will be absorbed with soil and shoveled into drums for off-site disposal. If the soil is an "exempt" waste, the soil will be disposed at Envirotech or other OCD approved landfarm facility. If the soil is an "nonexempt" waste the soil will be characterized and disposed according to the analytical profile.

B) Large spills will be contained with temporary berms. Free liquids will be pumped out by a vacuum truck. Any hydrocarbon liquids will be recycled. Any contaminated soil will be disposed of as discussed in the paragraph above.

C) Verbal and written notification of leaks or spills will be made to OCD in accordance with Rule 116.

D) All areas identified during operations as susceptible to leaks or spills will be bermed or otherwise contained to prevent the discharge of effluent.

E) EPNG personnel will carry oil absorbent booms in their trucks. The booms will be used as needed to contain any spills or leaks. The booms will be disposed of according to OCD and NMED guidelines.

XI. Site Characteristics

The Angel Peak compressor Site is located in the San Juan River drainage basin, and within the north central portion of the San Juan structural basin. See topographic map under Tab A. Topographic relief within 1 mile of Angel Peak is about 490 feet with elevations from 5860 to 6350 feet above sea level. The average annual precipitation in the area is 8 to 10 inches. This area supports native grasses and small shrubs.

GEOMORPHOLOGY AND SOILS

Angel Peak Compressor Station is situated at the base of a cliff on a sloping terrace. The surface slopes about 0 to 3 percent from the highest point, 5960 feet at the compressor site to 5880 feet off to the northwest of the site. The soil association in the area of the compressor site includes the Blancot-Notal association (USSCS, 1977). The fan and valley unit consists of relatively flat 0 to 5 % slopes situated on alluvial fans and valley bottoms. The Blancot-Notal association soil is deep and well drained. It formed in alluvium derived dominantly from sandstone and shale. Permeability is moderate to very slow, and runoff is medium.

REGIONAL GEOLOGY

The compressor site is located within the north-central part of the San Juan Basin. Tertiary and Holocene age rocks crop out in the immediate vicinity of the compressor site. A summary of the Mesozoic and Cenozoic Stratigraphy of the South Central San Juan Basin (after Thorn et al, 1990) is attached at Tab C.

GEOLOGY

The Plant is located at the base of a cliff where quaternary alluvium overlies the Tertiary Nacimiento Formation and the Ojo Alamo Sandstone. Based upon data derived from the drillers logs for the EPNG wells at the Compressor Station the Quaternary alluvium ranges from 5 to 12 feet in total thickness. According to topographic maps published by New Mexico Oil Conservation Division to support "Vulnerable Area Order", R-7940-C, Angel Peak Compressor Station is located outside of the expanded vulnerable zone.

The drillers log for EPNG Angel Peak Water Well No. 1 reports that 235 feet of sandstone with minor shale were encountered in the Nacimiento Formation. EPNG Angel Peak Water well No. 2 and No. 3 report similar logs. EPNG Angel Peak Water Well No. 10 is located approximately 4.5 miles southwest, in NW/4, NE/4 Sec 26, T-27-N, R-11-W, approximately 500 feet higher in elevation than the plant. The drillers log for this well reports that 980 feet of sandstone and minor shale were encountered in the Nacimiento Formation. The Ojo Alamo Sandstone was encountered at a depth of 1002 to 1102 feet below the ground surface.

HYDROLOGY AND GROUNDWATER QUALITY

There are two unnamed drainage areas within a quarter mile of the site. These drainage ways trend to the north west until they meet with the Kutz Canyon Wash. The site is approximately one mile north of the East Fork of the Kutz Wash.

There is one spring located within 3 miles east of the compressor station (USGS 1992). This is the Armenta Canyon Spring. The source formation is the Naciemiento at an altitude of 6,040 feet above mean sea level. The output of the spring recorded in November 1975 is less than 0.1 gallons per minute and is used for a stock tank.

According to the State Engineers Office EPNG wells are the only ones located within 1 mile of Angel Peak Compressor Station (Table 1). Eight wells, including three test wells (4 through 6) which were never completed, were drilled at the plant by EPNG for domestic and industrial purposes. Both the Nacimiento and Ojo Alamo were tested to a depth of 1066 feet, and neither are significant aquifers right at the plant. All wells at the plant have been abandoned due to insufficient quantity and/or poor water quality.

The present potable water supply well, EPNG Well #10 in Sec. 26, T-27-N, R-11-W is located approximately 6 miles southwest, and upgradient from the plant. This well was completed in the Ojo Alamo Formation and the aquifer appears confined, because the top of the Ojo Alamo is reported to be 1002 feet, and static water level is reported to be 550 feet

below the ground surface. The total dissolved solids reported by EPNG's laboratory from this aquifer was 510 ppm on 07/13/82.

Based on this information the aquifer most likely to be affected near the plant is the Ojo Alamo Aquifer. This aquifer lies approximately 900 feet below the ground surface. The Ojo Alamo aquifer appears to be confined by shale which overlies this aquifer. The direction and gradient of groundwater flow can not be determined on a local basis from existing information. The regional groundwater flow direction in the Ojo Alamo Formation is to the northwest (Stone et. al. 1983).

SURFACE WATER HYDROLOGY AND FLOODING POTENTIAL

The Angel Peak Compressor Station is located at the base of a cliff 3/4 mile northeast of the East Fork of the Kutz Canyon Wash. Kutz Canyon Wash drains approximately 200 square miles and discharges into the San Juan River west of Bloomfield. Flooding potential from the San Juan River to the site is negligible because the plant is about 11 miles south of, and well outside of the floodplain of the San Juan River. In addition the site will be graded and bermed so that precipitation and runoff does not cause water to enter or leave the process areas. It is also thought that flooding potential from the East Fork Kutz Wash which is south of the compressor station is negligible. This is based on the location of the compressor station at the base of a cliff and the altitude.

Table 1. Wells located within 1 mile of the Angel Peak plant site.

Location	Name	Use	Total Depth	Elevation	Depth to Water
27.10.8.223	EPNG PW-01	Dom	235'	5787.4'	170'
27.10.8.223	EPNG PW-02	Dom	204'	5897.3'	54.7'
27.10.8.223	EPNG PW-03	Dom	235'	5902'	60'
27.10.8	EPNG TW-04	Dom	946'	-	125'
27.10.8	EPNG TW-05	Dom	970'	-	-
27.10.8	EPNG TW-06	Dom	1066'	-	-
27.10.7.13222	EPNG PW-07	Dom	1066'	-	-

References Cited

Fasset, J.E. and J.S. Hinds, 1971, Geology and Fuel Resources of the Fruitland Formation and Kirkland Shale of the San Juan Basin, New Mexico and Colorado. USGS Professional Paper 676.

Geological Map of New Mexico, United States Geological Survey, 1965.

Geological Map of the Aztec 1° x 2° quadrangle Northwestern New Mexico and Southern Colorado. USGS Miscellaneous Investigation Service, 1987.

Soil Survey of San Juan County New Mexico, United States Department of Agriculture Soil Conservation Service, 1980.

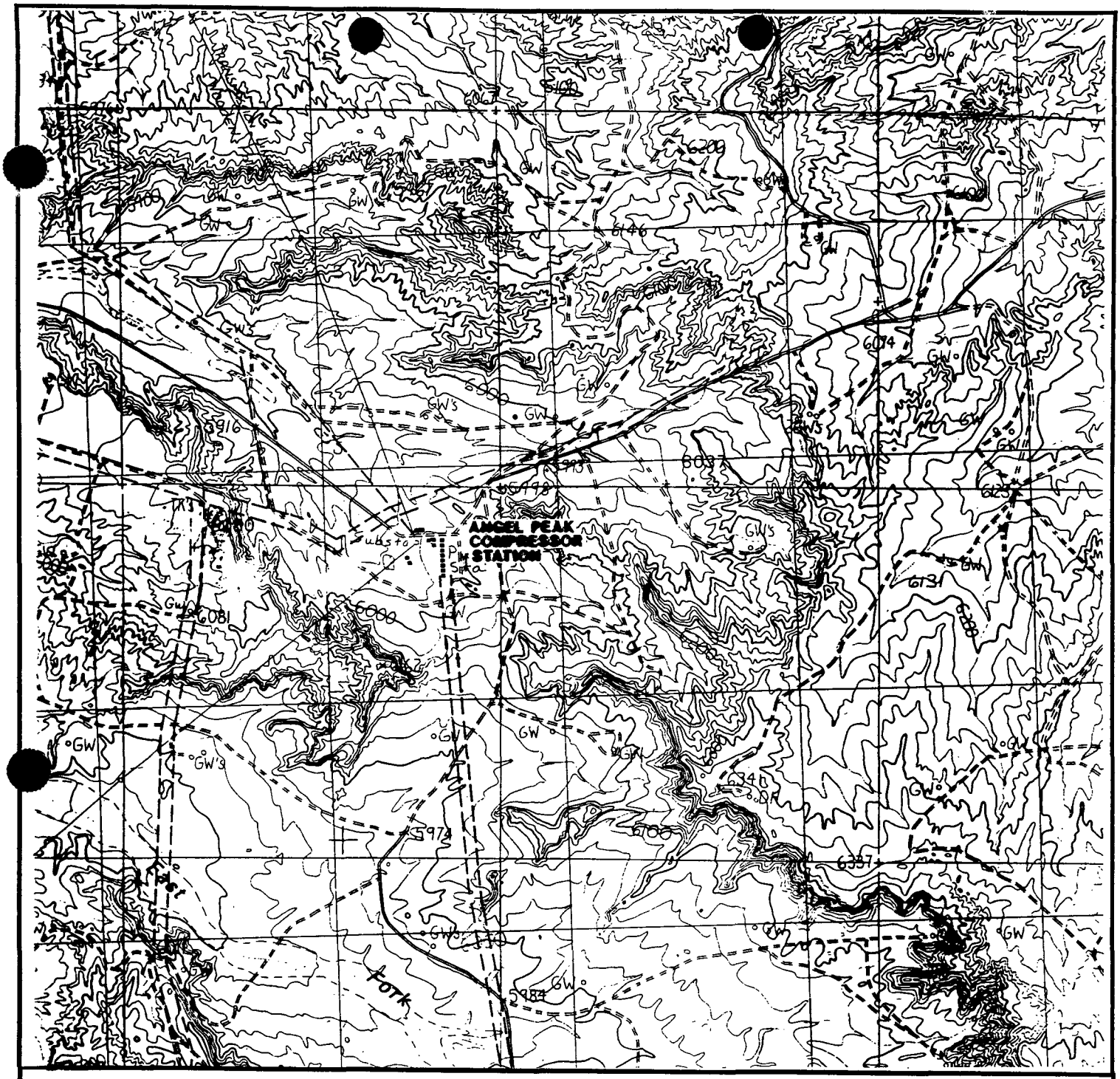
Stone, W.J., F.P. Lyford, P.F. Frenzel, N.H. Mizell, and E.T. Padgett, Hydrology and Water Resources of San Juan Basin, New Mexico. New Mexico Bureau of mines and Mineral Resources, Hydraulic Report 6, 1983.

XIII. Affirmation

I here by certify that I am familiar with the information contained in and submitted with this discharge plan for the Angel Peak Compressor Station, and that such information is true, accurate, and complete to the best of my knowledge and belief.

David Bays, REM
Sr. Environmental Scientist

Date: March 24, 1995



QUADRANGLE LOCATION

N

EAST FORK KUTZ CANYON
7.5 MINUTE SERIES QUADRANGLE
PREPARED FOR: ANGEL PEAK DISCHARGE PLAN
PREPARED BY: EL PASO NATURAL GAS COMPANY
DATE: MARCH 15. 1995

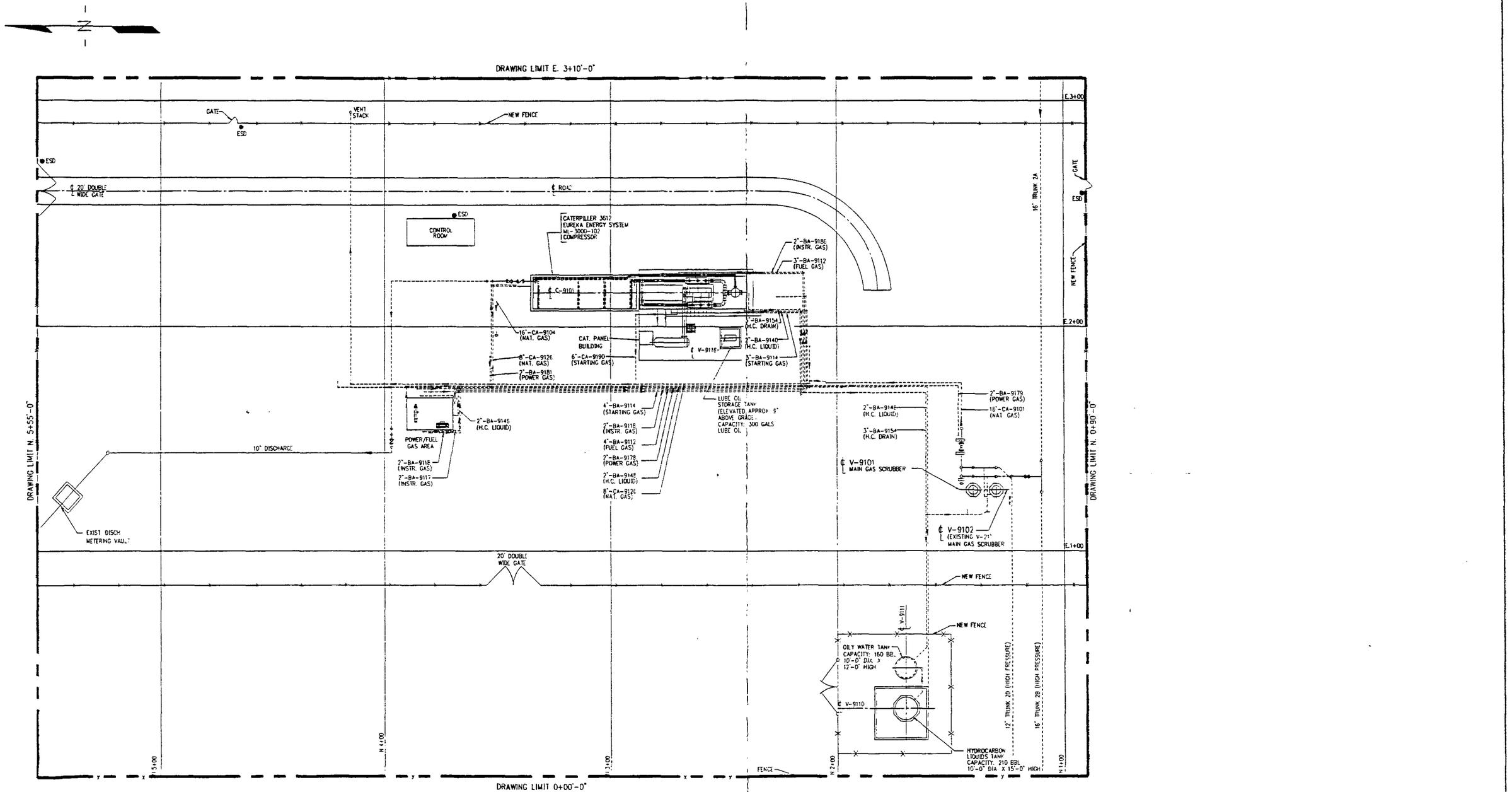
SCALE 1:24 000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET



NOTE
1) CONTRACTOR IS TO VERIFY ALL EXISTING U/G PIPELINES PRIOR TO FABRICATION W/ E.P.N.G. PERSONNEL AND REROUTE OR TERMINATE PER E.P.N.G. INSTRUCTIONS

LEGEND

REFERENCE DRAWINGS

DWG NO	TITLE
2AP-1-P8	PLOT PLAN

REVISIONS

NO	DATE	BY	DESCRIPTION	W.O.	APP
5		SRD	ISSUED FOR CONSTRUCTION	L-5614	

PRINT RECORD

PRT	SEP	DATE	TO	W.O.

FISH ENGINEERING & CONSTRUCTION PARTNERS, LTD
HOUSTON, TEXAS

JOB NO. 2271.058

ENG. RECORD	DATE
DRAFTING DESIGN	SRD 9/23/94
COMPUTER GRAPHICS	SRD 9/23/94
CHECKED	
PROJECT APPROVAL	
DESIGN APPROVAL	
COMPUTER SAVE NAME	2AP1PXX

El Paso Natural Gas Company

ANGEL PEAK COMPRESSOR STATION
GENERAL PIPING PLAN

SCALE: 1"=20'-0" | DWG. NO. 2AP-1-PXX | REV. 0

W.O. L-5614

DLH 02/16/95 10:11 2AP1PXXL.DWG

MESOZOIC AND CENOZOIC STRATIGRAPHY SOUTH CENTRAL SAN JUAN BASIN

(After Thorn et al, 1990)

CENOZOIC	QUATERNARY	Alluvium
	TERTIARY	San Jose Formation
		Nacimiento Formation
		Ojo Alamo Sandstone
MESOZOIC	CRETACEOUS	Kirtland Shale
		Fruitland Formation
		Pictured Cliffs Sandstone
		Lewis Shale
		Mesaverde Group
		Mancos Shale
		Dakota Sandstone
	JURASSIC	Morrison Formation
		Wanakah Formation
		Entrada Sandstone
	TRIASSIC	Chinle Formation

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ETHYLENE GLYCOL

EPNG MSDS NO: 01883 DATE ISSUED: / /
PRODUCT ITEM NO: 0062246 LAST REVISED DATE: 06/01/1977

MANUFACTURER
NAME: CLEANESE CHEMCIAL COMPANY
ADDRESS: 1211 AVE. OF AMERICA

CITY: NEW YORK, EMERGENCY TELEPHONE: (713)474-2801
STATE: NY ZIP: 10036 24 HOUR TELEPHONE:( ) -

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: NA TRADE SECRET: N
MOLECULAR WEIGHT: NA TIER II REPORTABLE:

BOILING POINT: 387.1 F EVAPORATION RATE: < 1
MELTING POINT: NA VAPOR PRESSURE: < 0.1
VISCOSITY: NA SPECIFIC GRAVITY: 1.115
VAPOR DENSITY: 2.14 WATER SOLUBILITY: COMPLETE

FLASH POINT : 240 F METHOD: TAG CLOSED CUP
AUTOIGNITION : NA LEL: 3.2 UEL: 15.3

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:

PRODUCT SYNONYMS

**** N/A **** **** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ETHYLENE GLYCOL

SECTION I MATERIAL IDENTIFICATION

CHEMICAL NAME AND SYNONYMS:
Ethylene Glycol; 1,2-Ethanediol, 1,2-Dihydroxyethane, Ethylene Dihydrate, Monoethylene Glycol

TRADE NAME AND SYNONYMS: Ethylene Glycol, EG, Glycol

CHEMICAL FAMILY: Glycols and Triols

FORMULA: HOC2H4OH Chem. Abs. No. 107-21-1

SECTION II INGREDIENTS AND HAZARDS

n/a

SECTION III PHYSICAL DATA

BOILING POINT: (@ 760 mm Hg): 387.1 F
SPECIFIC GRAVITY @ 20/20 C: 1.1155
VAPOR PRESSURE(mm Hg) @ 20 C: < 0.1
VAPOR DENSITY (Air=1): 2.14
EVAPORATION RATE(BuAc=1): <1
SOLUBILITY IN WATER @ 20C, wt.%: Complete
FREEZING POINT: -13.0 C
APPEARANCE AND ODOR: Colorless, Syrupy Liquid; Mild Odor

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT (method used) : 240 F Tag Closed Cup

FLAMMABLE LIMITS
LEL: 3.2
UEL: 15.3

EXTINGUISHING MEDIA: Use water spray or carbon dioxide for small fires. Use alcohol type foam for large fires.

SPECIAL FIRE FIGHTING PROCEDURES:
Autoignition Temperature 752 F

SECTION V REACTIVITY DATA

STABILITY: STABLE
HAZARDOSU DECOMPOSITION PRODUCTS:
Thermal decomposition may produce carbon dioxide and/or carbon monoxide.
HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI HEALTH AND HAZARD INFORMATION

THRESHOLD LIMIT VALUE: Vapor - 100 ppm (260 mg/m3) = A.C.G.I.H.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ETHYLENE GLYCOL

EFFECTS OF OVEREXPOSURE:
Confirmed cases of harmful effects relate to swallowing. Then it causes inebriation rapidly passing into coma and associated with serious or fatal kidney injury. Prolonged or repeated breathing of vapor very harmful. Material can irritate the skin. Avoid contact with skin, eyes, clothing and breathing of vapors.

EMERGENCY AND FIRST AID PROCEDURES:
Flush skin and eye contact with water for at least 15 minutes. Seek medical attention for eyes. If swallowed, induce vomiting at once by giving 3 glasses of warm water and inserting finger down throat. Call a physician. Never give anything by mouth to an unconscious person. Remove contaminated clothing and wash before reuse. Discard damaged protective clothing and contaminated leather shoes.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

Remove all sources of ignition. Keep personnel away from spill area. Dilute with water. Dike large spills and remove to salvage tanks. Prevent washings from entering all waterways. Disposal should be carried out in compliance with Federal, State and Local regulations regarding health, air and water pollution. Contact authorities in event of large spills.

WASTE DISPOSAL METHOD:
Atomize into a chemical incinerator. Combustion may be enhanced by mixing with a more flammable solvent such as methanol. Incinerate in a furnace where permitted under Federal, State and Local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Self-contained breathing apparatus recommended in areas of high concentration.
VENTILAITON:
MECHANICAL: Acceptable
PROTECTIVE GLOVES: Rubber Gloves, Apron
EYE PROTECITON: Chemical Safety Goggles
OTHER PROTECTIVE EQUIPMENT: Eye Bath

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

Avoid prolonged periods of storage at higher temperatures (such as 6 months above 85 F.) as it may cause undesirable degradation in color. Storage temperatures should be maintained between 60f to 80f to maintain flowability of product.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NATURAL GAS ENGINE OIL

EPNG MSDS NO: 00403 DATE ISSUED: / /
PRODUCT ITEM NO: 0062150 LAST REVISED DATE: 06/21/1993

MANUFACTURER
NAME: MOBIL OIL CORPORATION
ADDRESS: 3225 GALLOWS ROAD

CITY: FAIRFAX, EMERGENCY TELEPHONE: (609)737-4411
STATE: VA ZIP: 22037 24 HOUR TELEPHONE:( ) -

NFPA HEALTH: FIRE: REACTIVITY:
CERCLA HEALTH: FIRE: REACTIVITY: PERSISTENCE:

MOLECULAR FORMULA: NA TRADE SECRET: N
MOLECULAR WEIGHT: NA TIER II REPORTABLE:

BOILING POINT: > 600F (316 C) EVAPORATION RATE: NA
MELTING POINT: NA VAPOR PRESSURE: < .1
VISCOSITY: @ 100C,CS:12.5 SPECIFIC GRAVITY: 0.000
VAPOR DENSITY: MMHG 20C: <0.1 WATER SOLUBILITY: NEGILGIBLE

FLASH POINT : > 450 F (232 C) METHOD: ASTM D-92
AUTOIGNITION : NA LEL: .6% UEL: 7.0%

PHYSICAL FORMS PURE: MIX: LIQUID: Y GAS: SOLID:

REMARKS:
24-HR EMER. CALL COLLECT 609/737-4411; CHEMTREC: (800) 662-4525;
PRODUCT AND MSDS INFORMATION: (800) 662-4525

PRODUCT SYNONYMS

**** N/A **** **** N/A ****

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NATURAL GAS ENGINE OIL

SECTION I MATERIAL IDENTIFICATION

SUPPLIER: MOBIL OIL CORPORATION
CHEMCIAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION: NATURAL GAS ENGINE OIL
24-HR. EMERGENCY (CALL COLLECT): (609) 737-4411
CHEMTREC: (800) 424-9300
PRODUCT AND MSDS INFORMATION: (800) 662-4525

SECTION II INGREDIENTS AND HAZARDS

N/A

SECTION III PHYSICAL DATA

APPEARANCE: Dark Amber Liquid
ODOR: Mild
PH: NA
VISCOSITY AT 40 C, CS: 124.0
VISCOSTIY AT 100 C, CS: 12.5
FLASH POINT F(C): < 450(232) (ASTM D-92)
MELTING POINT F(C): NA POUR POINT F(C): 5(-15)
BOILING POINT F(C): > 600(316)
RELATIVE DENSITY, 15/4 C: 0.88
SOLUBILITY IN WATER: Negligible
VAPOR PRESSURE-mm Hg 20C: < .1

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT F(C): > 450(232) (ASTM D-92)

FLAMMABLE LIMITS. LEL: .6% UEL: 7.0%

EXTINGUISHING MEDIA: Carbon Dioxide, Foam, Dry Chemical and water fog

SPECIAL FIRE FIGHTING PROCEDURES:
Water OR foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. For fires in enclosed areas, firefighters must use self-contained breathing apparatus. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0

SECTION V REACTIVITY DATA

STABILITY (Thermal, Light, etc.): Stable
CONDITIONS TO AVOID: Extreme Heat
INCOMPATIBILITY (Materials to Avoid): Strong Oxidizers

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NATURAL GAS ENGINE OIL

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, Sulfur Oxides
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI HEALTH AND HAZARD INFORMATION
--- INCLUDES AGGRAVATED MEDICAL CONDITIONS, IF ESTABLISHED ---

THRESHOLD LIMIT VALUE: 5.00 mg/m3 Suggested for Oil Mist
EFFECTS OF OVEREXPOSURE: No significant effects expected.

********** EMERGENCY AND FIRST AID PROCEDURES **********
--- FOR PRIMARY ROUTES OF ENTRY ---

EYE CONTACT: Flush thoroughly with water. If irritation persists, call a physician.
SKIN CONTACT: Wash contact areas with soap and water.

INHALATION: Not expected to be a problem.

INGESTION: Not expected to be a problem. However, if greater than 1/2 litre(pint) ingested, immediately give 1 to 2 glasses of water and call a physician, hospital emergency room or poison control center for assistance. Do not induce vomiting or give anything by mouth to an unconscious person.

********** TOXICOLOGICAL DATA **********
--- ACUTE TOXICOLOGY ---

ORAL TOXICITY (RATS): Practically non-toxic (LD50 greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). --Based on testing of similar products and/or the components.

INHALATION TOXICITY (RATS): Not applicable --- Harmful concentration of mists and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use, or misuse of this product.

EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: 0 or greater but 6 or less). -- Based on testing of similar products and/or the components.

SKIN IRRITATION (RABBITS): Practically non-irritating (Primary irritation index: 0.5 or less). -- Based on testing of similar products and/or the components.

--- SUBCHRONIC TOXICOLOGY (SUMMARY) ---

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NATURAL GAS ENGINE OIL

Severely solvent refined and severely hydrotreated mineral base oils have been tested at Mobil Environmental and Health Sciences Laboratory by dermal application to rats 5 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

--- CHRONIC TOXICOLOGY (SUMMARY) ---

The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of similar oils showed no evidence of carcinogenic effects.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES
ENVIRONMENTAL IMPACT: In case of accident or road spill notify CHEMTREC (800) 424-9300. Report spills as required to appropriate authorities. U.S. Cosat Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:

Absorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

WASTE MANAGEMENT:

Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may b be limited pursuant to the Resource Conservation and Recovery Act. In additin, the product is suitable for processing by an approved waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

SECTION VIII SPECIAL PROTECTION INFORMATION
EYE PROTECTION: Normal industrial eye protection practices should be employed.

SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed.

RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

VENTILATION: No special requirements under ordinary conditions or use and with adequate ventilation.

SECTION IX SPECIAL PRECAUTIONS AND COMMENTS

No special precautions required.

GOVERNMENTAL INVENTORY STATUS: All components registered in accordance with TSCA and EINECS.

DOT:

Shipping Name: Not applicable
Hazard Class; Not applicable

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.
RCRA INFORMATION: The unused product, in our opiniou, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitabliity, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.
U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:
This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".
SARA (311/312 - FORMERLY 302) REPORTABLE HAZARD CATEGROIES: None
This product contains no chemicals reportable under SARA (313) toxic release program.

THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	CAS #	LIST CITATIONS
ZINC (Elemental analysis) (.05)	7440-66-6	22
PHOSPHORODITHOIC ACID, 0,0-DI C1 14-ALKYL ESTERS, ZINC SALTS (2:1) (ZDDP) (.41%)	68649-42-3	22

--- REGULATORY LISTS SEARCH ---

1 = ACGIH ALL	6 = IARC 1	11 = TSCA 4	17 = CA P65	22 = MI 293
2 = ACGIH A1	7 = IARC 2A	12 = TSCA 5a2	18 = CA RTK	23 = MN RTK
3 = ACGIH A2	8 = IARC 2B	13 = TSCA 5e	19 = FL RTK	24 = NJ RTK
4 = NTP CARC	9 = OSHA CARC	14 = TSCA 6	20 = IL RTK	25 = PA RTK
5 = NTP SUS	10 = OSHA Z	15 = TSCA 12b	21 = LA RTK	26 = RI RTK
		16 = WHMIS		

CARC = CARCINOGEN: SUS = SUSPECTED CARCINOGEN

NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.

EL PASO NATURAL GAS

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NATURAL GAS ENGINE OIL

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitablility of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABLIITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABLILTY OF THE PRODUCT. Nothing is itended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procuedures should be provided to handlers an users.

PREPARED BY: MOBIL OIL COPORATION
ENVIRONMENTAL HEALTH AND SAFETY DEPARTMENT, PRINCETON, NJ

FOR FURTHER INFORMATION CONTACT:
Mobil Oil Corporation, Product Formulation and Quality Control
3225 Gallows Road, Fairfax, VA 22037 (800) 227-0707 X3265

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 0830 | Date 5/31/95

Originating Party	Other Parties
Bill Olson - Envir. Bureau	Patrick Marquez - EPNG

Subject

4/10/95 Angel Peak/Chaco Solid Waste Pit Closures

Discussion

Told him not all haz characteristics analyzed
Need chlorinated organics, pesticides, herbicides
If didn't use pesticides, herbicides, can provide statement of process knowledge

Conclusions or Agreements

He will get analyses

Distribution

f./e
Denny Foust - OCD Aztec

Signed Bill Olson

El Paso
Natural Gas Company

P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

April 10, 1995

Mr. Bill Olson
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504

Re: **Solid Waste Pit Closures at EPNG's Angel Peak and Chaco facilities**

Dear Mr. Olson:

Enclosed are the analyses for the subject solid waste pits. As per the November 22, 1995 NMOCD approval letter for closure, EPNG is required to submit the analytical results prior to the actual closure of the pits and will notify OCD of all activities 72 hours in advance such that OCD has the opportunity to witness the events.

Please review the enclosed analyses and respond to me at 505-599-2175 at your earliest convenience.

Thank you,

P. S. Marquez

Patrick Marquez
Compliance Engineer

cc:

Denny Foust (NMOCD)

w/o enclosures

Ron Jones (EPNG)
David Hall (EPNG)
Sandra Miller (EPNG)
Lyndell Smith (EPNG)
File: 5212 Regulatory

SDW fm FILE: 2440

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

November 22, 1994

CERTIFIED MAIL
RETURN RECEIPT NO. P-667-242-177

Mr. Patrick Marquez
Compliance Engineer
El Paso Natural Gas Company
P.O. Box 4990
Farmington, New Mexico 87499

RE: SOLID WASTE PIT CLOSURES
ANGEL PEAK COMPRESSOR STATION AND CHACO GAS PLANT
SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Miller:

The New Mexico Oil Conservation Division (OCD) has reviewed El Paso Natural Gas Company's (EPNG) September 12, 1994 "SOLID WASTE PIT CLOSURES AT EPNG'S ANGEL PEAK AND CHACO FACILITIES". This document contains EPNG's proposed closure plan for closure of former solid waste pits at EPNG's Angel Peak Compressor Station and Chaco Gasl Plant.

The proposed closure plan as contained in the above referenced document **is approved with the following conditions:**

1. In addition to the soil sampling proposed, EPNG will analyze samples from the pits for hazardous waste characteristics.

2. All sample analyses will be conducted using EPA approved laboratory methods.

3. The results of the analytical sampling will be submitted to the OCD for approval prior to actual closure of the pits.

4. EPNG will notify the OCD at least 72 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples.

5. All original documents will be submitted to the OCD Santa Fe Office with copies provided to the OCD Aztec Office.

Please be advised that OCD approval does not limit EPNG to the work proposed should contaminants be found to be migrating from the site or if contamination exists which is beyond the scope of the work plan. In addition, OCD approval does not relieve EPNG of responsibility for compliance with any other federal, state and local laws and/or regulations.

If you have any questions, please contact me at (505) 827-5885.

Sincerely,

William C. Olson
Hydrogeologist
Environmental Bureau

xc: OCD Aztec District Office

El Paso Natural Gas Company

MEMORANDUM

To: (Distribution) **Date:** March 1, 1995

From: John Lambdin **Place:** Field Services Laboratory

Subject: Angel Peak Solid Waste Pit Closure Results

On January 11, 1995 the Field Services Laboratory collected one (1) soil sample from the solid waste pond at Angel Peak Plant. The sample was assigned Field Services laboratory number 950053.

The sample was collected and analyzed in accordance with New Mexico OCD guidelines for pit closure. The sample passed all the required tests. Enclosed you will find copies of all field and analytical laboratory results/data.

Please let me know, if you have any questions.

Distribution:

David Hall - w/o attachments
Sandra Miller
Results Log Book
File

Attachments

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT

SAMPLE IDENTIFICATION

SAMPLE NUMBER: 950053
MATRIX: Soil
SAMPLE DATE: 11-Jan-95
SAMPLE TIME (Hrs.): 1030
SAMPLED BY: *Norman Norvelle*
PROJECT: Pit Closure
FACILITY ID: 5203
SAMPLE LOCATION: Angel Peak
SAMPLE POINT: Solid Waste Pit
DATE OF ANALYSIS: Extracted for BTEX on 1/23/1995 and analyzed for BTEX on 1/23/1995.
Extracted for TPH on 1/17/1995 and analyzed for TPH on 1/17/1995.

REMARKS: None

EPA Method 8020 (BTEX) and Method 418.1 (TPH) RESULTS

PARAMETER	RESULT MG/KG	QUALIFIER	LIMIT MG/KG
BENZENE	<0.005	None	10
TOLUENE	<0.005	None	None
ETHYL BENZENE	<0.005	None	None
TOTAL XYLENES	<0.005	None	None
TOTAL BTEX	<0.020	None	50
TPH by EPA 418.1	36	None	100
PERCENT SOLIDS	90	None	
SURROGATE % RECOVERY	94	Allowed Range 80 to 120 %	

NOTES:

The limits shown are based on New Mexico Regulations.

Approved By: _____ 1-Mar-95
Date

Date: [illegible]

11 Pit Samples
3 Ballard BioRem
1 Chaco Boiler#2

LABORATORY CONTROL SAMPLES: CALIBRATION CHECKS

SAMPLE ID	SOURCE	TRUE VALUE (PPM)	FOUND (MG/KG)	%R	ACCEPTABLE RANGE 75-125 %R YES	NO
NITIAL CALIBRATION VERIF. "B" Heavy Oil (Lot M3G9616)	HORIBA	200	193	97	X	

Narrative: Acceptable.

LABORATORY DUPLICATES:

SAMPLE NUMBER	TYPE	SAMPLE RESULT (S)MG/KG	DUPLICATE RESULT (D)MG/KG	RPD	ACCEPTABLE RANGE + / - 35% YES	NO
946569	2nd Extract	491	411	17.7	X	
946572	2nd Extract	430	481	11.2	X	

Narrative : Acceptable.

LABORATORY SPIKES:

SAMPLE NUMBER	SPIKE ADDED (SA)MG/KG	SAMPLE RESULT (S)MG/KG	SPIKE SAMPLE RESULT (SR)MG/KG	%R	ACCEPTABLE RANGE 75-125 %R YES	NO
946569	3050	491	3950	113	X	
946572	2780	430	3670	117	X	

Narrative: Acceptable.

REFERENCE SOIL (Laboratory Control Sample):

SAMPLE ID	SOURCE	KNOWN VALUE (MG/KG)	SAMPLE RESULT FOUND (MG/KG)	MFG SPECIFIED RANGE	ACCEPTABLE YES	NO
RA TPH STANDARD #1 OT # 91026	ENVIRONMENTA RESOURCE ASS.	1340	1540	804 - 1680	X	
RA TPH STANDARD #2 w/int CT # 91026	ENVIRONMENTA RESOURCE ASS.	2590	3100	1550 - 3240	X	

Narrative: Acceptable.

LABORATORY REAGENT BLANK:

SAMPLE ID	SOURCE	TPH LEVEL (MG/KG)	STATUS
Freon Solvent	EPNG Lab	< 10.0	ACCEPTABLE
Reagent Blank	EPNG Lab	< 10.0	ACCEPTABLE

Narrative: Acceptable.

Extracted: 01/17/95

Approved By: John Fowler Date: 3-Feb-95

Samples: 9465570, 9465590, 9465608, 9465720, & 9500638

QA/QC for 1/23/95 Sample Set

LABORATORY CALIBRATION CHECKS, LABORATORY CONTROL SAMPLES:

[illegible] ICV 4/4/4426 25 ppb	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	25.0	25.7	102.8	75 - 125 %	X	
Toluene	Standard	25.0	28.3	113.2	75 - 125 %	X	
Ethylbenzene	Standard	25.0	25.9	103.6	75 - 125 %	X	
Total Xylenes	Standard	75.0	81.3	108.4	75 - 125 %	X	

[illegible] ICV LA/4/4426 200 ppb	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	200	221	110.5	75 - 125 %	X	
Toluene	Standard	200	209	104.5	75 - 125 %	X	
Ethylbenzene	Standard	200	213	106.5	75 - 125 %	X	
m & p Xylene	Standard	400	401	100.3	75 - 125 %	X	
o - Xylene	Standard	200	212	106.0	75 - 125 %	X	

[illegible] LCS DB/4/4426 25 ppb	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	25.0	25.6	102.4	39 - 150	X	
Toluene	Standard	25.0	27.0	108.0	46 - 148	X	
Ethylbenzene	Standard	25.0	26.2	104.8	32 - 160	X	
Total Xylenes	Standard	75.0	79.7	106.3	Not Given	X	

[illegible] CCV LA/4/4426 25 ppb	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	25.0	23.4	93.6	75 - 125 %	X	
Toluene	Standard	25.0	24.6	98.4	75 - 125 %	X	
Ethylbenzene	Standard	25.0	23.0	92.0	75 - 125 %	X	
Total Xylenes	Standard	75.0	69.3	92.4	75 - 125 %	X	

[illegible] Acceptable.

950053 SOIL VIAL	(Analysis, Portion, or Sample)	SAMPLE RESULT PPM (mg/Kg)	DUPLICATE RESULT PPM (mg/Kg)	RPD	ACCEPTABLE RANGE	YES	NO
Benzene	2nd Portion	<0.005	<0.005	0	+/- 35 %	X	
Toluene	2nd Portion	<0.005	<0.005	0	+/- 35 %	X	
Ethyl benzene	2nd Portion	<0.005	<0.005	0	+/- 35 %	X	
Total Xylenes	2nd Portion	<0.015	<0.005	0	+/- 35 %	X	

Narrative: Acceptable.

SAMPLE NUMBER 946557 EXTRACT	TYPE (Analysis, Portion, or Sample)	SAMPLE RESULT PPM (mg/Kg)	DUPLICATE RESULT PPM (mg/Kg)	RPD	ACCEPTABLE RANGE	YES	NO
Benzene	2nd Portion	<2.90	<2.87	0	+/- 35 %	X	
Toluene	2nd Portion	132	124	6	+/- 35 %	X	
Ethyl benzene	2nd Portion	21.9	19.2	13	+/- 35 %	X	
Total Xylenes	2nd Portion	186	202	8	+/- 35 %	X	

Narrative: Acceptable.

LABORATORY SPIKES:

SAMPLE NUMBER 950053 @ 40 PPB SOIL VIAL - 2nd Portion	SPIKE ADDED PPB	SAMPLE RESULT PPB	SPIKE SAMPLE RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	40.0	<5.00	30.5	76	75 - 125 %	X	
Toluene	40.0	<5.00	33.4	84	75 - 125 %	X	
Ethyl benzene	40.0	<5.00	25.4	64	75 - 125 %		X
Total Xylenes	120.0	<15.0	106	88	75 - 125 %	X	

Narrative: Acceptable. Reduced %R possibly due to old spike solution.

SAMPLE NUMBER 946559 @ 40 PPB EXTRACT - 2nd Portion	SPIKE ADDED PPB	SAMPLE RESULT PPB	SPIKE SAMPLE RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	40.0	0.0	31.6	79	75 - 125 %	X	
Toluene	40.0	81	67	-36	75 - 125 %		X
Ethyl benzene	40.0	12.2	47	87	75 - 125 %	X	
Total Xylenes	120.0	94.4	192.0	81	75 - 125 %	X	

Narrative: Acceptable. Reduced %R possibly due to old spike solution.

ADDITIONAL ANALYTICAL BLANKS:

SAMPLE ID AUTO BLANK	SOURCE	PPB	STATUS
Benzene	Boiled Water	<2.5	ACCEPTABLE
Toluene	Boiled Water	<2.5	ACCEPTABLE
Ethyl benzene	Boiled Water	<2.5	ACCEPTABLE
Total Xylenes	Boiled Water	<7.5	ACCEPTABLE

Narrative: Acceptable

SAMPLE ID SOIL VIAL BLANK	SOURCE	PPB	STATUS
Benzene	Vial + Boiled Water	<2.5	ACCEPTABLE
Toluene	Vial + Boiled Water	<2.5	ACCEPTABLE
Ethyl benzene	Vial + Boiled Water	<2.5	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<7.5	ACCEPTABLE

Narrative: Acceptable.

EXTRACTION BLANK	SOURCE	PPB (In 200 uL aliquot)	STATUS
Benzene	Methanol	N/A	ACCEPTABLE
Toluene	Methanol	N/A	ACCEPTABLE
Ethyl benzene	Methanol	N/A	ACCEPTABLE
Total Xylenes	Methanol	N/A	ACCEPTABLE

arrative: Acceptable.

SAMPLE ID Carryover contamination checks	SOURCE	NARRATIVE	STATUS
1/11	Vial + Boiled Water	All analytical compounds <2.5 ppb	ACCEPTABLE
5/11	Vial + Boiled Water	All analytical compounds <2.5 ppb	ACCEPTABLE
9/11	Vial + Boiled Water	All analytical compounds <2.5 ppb	ACCEPTABLE
11/11	Vial + Boiled Water	All analytical compounds <2.5 ppb	ACCEPTABLE

arrative: Acceptable.

EAGENT BLANKS:

SAMPLE ID BOILED WATER CHECK	SOURCE 12/13/94	PPB	STATUS
Benzene	Boiled Water	<2.5	ACCEPTABLE
Toluene	Boiled Water	<2.5	ACCEPTABLE
Ethyl benzene	Boiled Water	<2.5	ACCEPTABLE
Total Xylenes	Boiled Water	<7.5	ACCEPTABLE

arrative: Acceptable

SAMPLE ID METHANOL CHECK	SOURCE 12/28/94	PPB	STATUS
Benzene	MeOH/Boiled Water	<2.5	ACCEPTABLE
Toluene	MeOH/Boiled Water	<2.5	ACCEPTABLE
Ethyl benzene	MeOH/Boiled Water	<2.5	ACCEPTABLE
Total Xylenes	MeOH/Boiled Water	<7.5	ACCEPTABLE

arrative: Acceptable

pproved By: _____ Date: 27-Jan-95

BURLINGTON ENVIRONMENTAL
A Philip Environmental Company

January 23, 1995
Field Services Lab

Mr. John Lambdin
El Paso Natural Gas Company
Field Services Laboratory
P.O. Box 4990
Farmington, NM 87499

COPY

Dear Mr. Lambdin:

Subject:	Project: EPNG
	EPNG Laboratory Numbers: 950053
	Burlington Environmental Laboratory Numbers: 95A583
	LIMS Job Number: 1937
	Charge Code: Not Supplied
	EPNG Agreement for Professional Environmental Services. Contract 5769 Analytical Services Blanket Contract Supplement Number 5769-92-3

Burlington Environmental Inc., (BEI) hereby submits the enclosed invoice for the work performed on the above-referenced project.

The analyses performed on this project include:

- Polychlorinated Biphenyls (PCBs)
- Ignitability
- Toxicity Characteristic Leaching Procedure (TCLP 1311): Metals (D004-D011)

The project costs are summarized on the attached invoice. If you have any questions or need additional information concerning this invoice, please do not hesitate to contact me at 206-227-6102.

Sincerely yours,

BURLINGTON ENVIRONMENTAL INC.

Della K. Wilson

Della K. Wilson
Project Manager

Enclosure: Invoice

955 Powell Avenue SW • Renton, WA 98055-2908
(206) 227-6311 • FAX: (206) 227-6196

BURLINGTON ENVIRONMENTAL
A Philip Environmental Company

January 23, 1995

John Lambdin
El Paso Natural Gas Co.
Field Services Lab
P.O. Box 4990
Farmington, NM 87499

Project: EL PASO NATURAL GAS CO.
Laboratory Job Number: 1937

On January 13 we received 1 sample(s).
We performed the following analyses:

TCLP Metals
PCB's
Flash Closed Cup

Instrument: Hewlett Packard 5890 GC

All samples were analyzed according to Methods specified in the work plan or Chain of Custody. Any deviations or exceptions to the standard methods are covered in Data Validation Notes.

All samples were extracted and analyzed within required holding times unless so noted.

Analysis and review was complete on January 23.

Sincerely,

Della K. Wilson

Della K. Wilson
Project Manager
(206) 227-6102
Burlington Environmental Corporate Lab
Washington Accreditation #C021

955 Powell Avenue SW • Renton, WA 98055-2908
(206) 227-0311 • FAX: (206) 227-6196

BURLINGTON ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:
El Paso Natural Gas Co.
Field Services Lab
P.O. Box 4990
Farmington, NM
87499

Project Name: EL PASO NATURAL GAS CO.
Report to: ~~Darrell Campbell~~ JOHN LAMBDEN

Date Received: 1/13/95
Date Sampled: 1/13/95
Date Reported: 1/23/95

Laboratory No.: 95-A583
Sample ID.: 950053

Job Number: 1937

Analyte	Results	Units	Method	Analyst	Date	ECRA LIMIT
TCLP METALS						
TCLP Arsenic	< 0.10	mg/L	6010/200.7	JLB	1/17/95	5.0
TCLP Barium	1.2	mg/L	6010/200.7	JLB	1/17/95	100
TCLP Cadmium	< 0.005	mg/L	6010/200.7	JLB	1/17/95	1.0
TCLP Chromium	< 0.010	mg/L	6010/200.7	JLB	1/17/95	5.0
TCLP Lead	< 0.10	mg/L	6010/200.7	JLB	1/17/95	5.0
TCLP Mercury	< 0.0008	mg/L	7470/3112	HY	1/17/95	0.20
TCLP Selenium	< 0.30	mg/L	6010/200.7	JLB	1/17/95	1.0
TCLP Silver	< 0.010	mg/L	6010/200.7	JLB	1/17/95	5.0
Method 1311 Date Extracted: 1/16/95 Sample Wt.: 100. grams						
PCBs						Limit
Aroclor-1016	< 0.68	MG/KG	8081	DKW	1/13/95	2.0 ppm
Aroclor-1221	< 0.68	MG/KG	8081	DKW	1/13/95	
Aroclor-1232	< 0.68	MG/KG	8081	DKW	1/13/95	
Aroclor-1242	< 0.68	MG/KG	8081	DKW	1/13/95	
Aroclor-1248	< 0.68	MG/KG	8081	DKW	1/13/95	
Aroclor-1254	< 0.68	MG/KG	8081	DKW	1/13/95	
Aroclor-1260	< 0.68	MG/KG	8081	DKW	1/13/95	
PCB Extraction					1/13/95	

Surrogates	% Recovery	Limits
Tetrachloro-m-xylene	100.0	30.0-150.0
Decachlorobiphenyl	89.0	30.0-150.0

MISCELLANEOUS						Limit
Flash Closed Cup	Comment F No flash point		1020	LCL	1/13/95	>140°F

no limit exceeded 1-26-95

Reviewed By : _____ 1/23/95

2203 Airport Way South, Suite 400
Seattle, WA 98134
206-223-0500 • FAX: 223-7791

Chain of Custody/ Laboratory Analysis Request

DATE 01-11-95 PAGE 1 OF

PROJECT EL PASO NATURAL GAS CO #
CLIENT INFO CONTACT John Lambdin - Farmington
CHEMPRO DIVISION GENERATOR NAME
TELEPHONE # 505-599-~~2152~~ 2144
SAMPLERS NAME NORMAN NORVELLE PHONE # 599-2152
SAMPLERS SIGNATURE Norman R. Norvelle

SAMPLE ID	DATE	TIME	LAB ID	TYPE
~~90053~~	1-11-95	10:30	95-AS83	SOIL
2 950053				
3				
4				
5				
6				
7				
8				

ANALYSIS REQUESTED

BASE NEU ACID ORGA GC/MS 625 8270	VOLATILE ORGANICS GC/MS 624/8240	PCB 608 8080	TPH ... e metnoc ... 8015	BTEX ... e metnoc 624 ... 8020	HALOGENATED SOLVENTS 8240	TCLP EXTRACTED SOLVENTS 1311 8240	TCLP METALS 6010 ...	METALS TOTAL As, Ba, Cd, Cr, Cu, Pb Ni, Se ...	TCLP ORGANICS (specify) ... 8080 ...	DISCHARGE TESTING	OTHER (Specify) Ignitability	NUMBER OF CONTAINERS
		X					X		X (608 only)		X	3
							X		X		X	

Relinquished By
Signature: Norman R. Norvelle
Printed Name: NORMAN R. NORVELLE
Firm: El Paso Natural Gas Co.
Date/Time: 1-12-95 11:45

Received By
Signature:
Printed Name: SC1 feb
Firm: 1 13 95 10 3
Date/Time:

Relinquished By
Signature:
Printed Name:
Firm:
Date/Time:

Received By
Signature:
Printed Name:
Firm:
Date/Time:

Relinquished By
Signature:
Printed Name:
Firm:
Date/Time:

Received By
Signature:
Printed Name:
Firm:
Date/Time:

SPECIAL INSTRUCTIONS COMMENTS

Chain of Custody corrected 1/13/95 following telephone conversation with John Lambdin.

#1951

DISTRIBUTION WHITE return to originator, YELLOW Lab PINK to Client originator

(LAB-200 Rev

El Paso Natural Gas Company

MEMORANDUM

To: John Lambdin **Date:** January 12, 1995

From: Norman R. Norvelle **Place:** Field Services Engineering Lab

Subject: Angel Peak Solid Waste Pit Closure Sampling

On January 11, 1995 at 10:00 AM, I met with Denny Foutz of NMOCD to witness my sampling of the Angel Peak Plant solid waste pit for closure. Mr. Foutz had me sample two points at the bottom of the pit at a depth of one foot and then composite the two samples. These were put into a 16 oz. jar, 8 0z. jar and a ' Oz. jar. An extra 16 Oz. jar was collected to store in our refrigerator. The actual sample was taken at 13:30 AM. The assigned sample number was 950053. The following analysis was requested: BTEX, PCB, IGN, TCLP metals, and TPH.

The sample was iced in a cooler until received in the lab and then stored in the sample refrigerator. Today, the sample was packed in bubble wrap, iced and ship in a cooler to the BEI labs in Seattle. A temperature blank was included. Below is a picture of the pit. The ancillary paper work is attached.

Norman R. Norvelle, Senior Division Chemist

attachments
cc: David Hall

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Project No.	Project Name	Samplers: (Signature)	Date	Receiving Temp. (°F)
	ANGEL PEAK SOLID WASTE PIT CLOSURE		1-13-95	

Lab ID	Date	Time	Matrix	Sample Number	Total No. of Containers	Chain of Custody Seals	Intact?	Composite or Grab	See Attached	BTEX	TPH	Remarks
	1-11-95	1030	SOIL	950053	1					X	X	

Requested Analysis

Contract Laboratory: EPNG

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
	1-12-95 11:45				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks:	
			1-13-95 08:20		
Results & Invoices to::		Charge Code	Date Results Reported / by: (Signature)		

WHITE-Testing Laboratory YELLOW-EPNG Lab PINK-Field Sampler

san juan repro Form 7

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From (Your Name) Please Print: JOHN [illegible]
Your Phone Number (Very Important): (505)599-2147
Company: [illegible] NATURAL GAS
Department/Floor No:
Street Address: 770 [illegible] AVE
City: FARMINGTON State: NM ZIP Required: 8 7 4 [illegible] 1

2 To (Recipient's Name) Please Print: STEVE CONTROL
Recipient's Phone Number (Very Important): (206)727-0111
Company: BURLINGTON ENVIRONMENTAL
Department/Floor No:
Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes): 555 POWELL AVE SW
City: RENTON State: WA ZIP Required: 9 8 0 5 5

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† Delivery commitment may be later in some areas *Declared Value Limit $500 **Call for delivery schedule

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Total 1	Total 16	Total

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ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

November 22, 1994

Sohn, can we make arrangements for sampling & Testing?

thanks
PSH

CERTIFIED MAIL
RETURN RECEIPT NO. P-667-242-177

Mr. Patrick Marquez
Compliance Engineer
El Paso Natural Gas Company
P.O. Box 4990
Farmington, New Mexico 87499

RE: SOLID WASTE PIT CLOSURES
ANGEL PEAK COMPRESSOR STATION AND CHACO GAS PLANT
SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Miller:

The New Mexico Oil Conservation Division (OCD) has reviewed El Paso Natural Gas Company's (EPNG) September 12, 1994 "SOLID WASTE PIT CLOSURES AT EPNG'S ANGEL PEAK AND CHACO FACILITIES". This document contains EPNG's proposed closure plan for closure of former solid waste pits at EPNG's Angel Peak Compressor Station and Chaco Gasl Plant.

The proposed closure plan as contained in the above referenced document **is approved with the following conditions:**

1. In addition to the soil sampling proposed, EPNG will analyze samples from the pits for hazardous waste characteristics.

2. All sample analyses will be conducted using EPA approved laboratory methods.

3. The results of the analytical sampling will be submitted to the OCD for approval prior to actual closure of the pits.

4. EPNG will notify the OCD at least 72 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples.

5. All original documents will be submitted to the OCD Santa Fe Office with copies provided to the OCD Aztec Office.

Mr. Bill Olson
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe. NM 87504

September 12. 1995

Subject:Solid Waste Pit Closures at EPNG's Angel Peak and Chaco facilities

Dear Mr. Olson:

Below are the plans for closure of the subject pits for your review and approval. The Angel Peak and Chaco pits historically received waste generated from the field operations until mid 1992 and March of 1994. respectively. Waste Management of Four Corners currently services both facilities.

Pit Locations and Dimensions

Chaco	SW/4. Section 16. T-26-N. R-12-W 50 x 7 x 2.5 yards	Angel Pk	NE/4. Section 8. T-27-N. R-10-W 35 x 5 x 3 yards

Facility Operations

- Typical contents would include: office paper products. wood. tin and aluminum cans. glycol and engine oil filters (drained before deposited). oily rags and small pieces of concrete.
- The pits never received liquids or household trash as both the Chaco and Angel Peak camps were retired in 1986.
- The Angel Peak pit has not received field waste for nearly two years and no plant trash since 1990. The pit was burned approximately once a week while in operation.
- The Chaco pit has not received trash since March of 1994 and was burned approximately once a month.

Closure

- A composite soil sample will be taken from the surface of the pit walls and the bottom of the pit approximately one foot deep.
- The representative sample will be analyzed for BTEX . PCBs. Ignitability, RCRA TCLP for metals and Total Petroleum Hydrocarbons.
- Upon submission of the test results. the pits will be filled with the original soil (current berm material). machine compacted and covered with an 18" cap designed to drain storm water.
- The pit locations relative to the plant surroundings are attached.
- Each pit lies on EPNG property.

El Paso Natural Gas respectfully request approval of the pit closure plans. Should you have questions. please call at 505 599 2175.

Thank you.

Patrick Marquez
Compliance Engineer

El Paso Natural Gas Company

MEMORANDUM

To: (Distribution) **Date:** March 21, 1995

From: John Lambdin **Place:** Field Services Laboratory

Subject: Chaco Plant Solid Waste Pit Closure Results

On February 3, 1995 the Field Services Laboratory collected one (1) soil sample from the solid waste pit at Chaco Plant. The sample was assigned Field Services laboratory number 950081.

The sample was collected and analyzed in accordance with New Mexico OCD guidelines for pit closure. The sample passed all the required tests. Enclosed you will find copies of all field and analytical laboratory results and field data.

Please let me know, if you have any questions.

Distribution:

David Hall - w/o attachments
Sandra Miller
Results Log Book
File

Attachments

BURLINGTON
ENVIRONMENTAL
A Philip Environmental Company

February 21, 1995
Field Services Lab

Mr. John Lambdin
El Paso Natural Gas Company
Field Services Laboratory
P.O. Box 4990
Farmington, NM 87499

Dear Mr. Lambdin:

Subject:	Project: Chaco Plant Trash Pit Soil
	EPNG Laboratory Number: 950081
	Burlington Environmental Laboratory Number: 95A2061
	Burlington Environmental LIMS Job Number: 2331
	Charge Code: Not Supplied
	EPNG Agreement for Professional Environmental Services. Contract 5769
	Analytical Services Blanket Contract Supplement Number 5769-92-3

Burlington Environmental Inc., (BEI) hereby submits the enclosed invoice for the work performed on the above-referenced project.

The analyses performed on this project include:

- Polychlorinated Biphenyls (PCBs)
- Ignitability (Flash Point, Method 1020)
- Toxicity Characteristic Leaching Procedure (TCLP 1311): Metals (D004-D011)

The project costs are summarized on the attached invoice. If you have any questions or need additional information concerning this invoice, please do not hesitate to contact me at 206-227-6100.

Sincerely yours,

BURLINGTON ENVIRONMENTAL INC.

Kathy E. Kreps
Laboratory Manager

Enclosure: Invoice

955 Powell Avenue SW • Renton, WA 98055-2908
(206) 227-0311 • FAX: (206) 227-6196

BURLINGTON ENVIRONMENTAL
2203 Airport Way South, Suite 400
Seattle, WA 98134
206 223 0500 • FAX: 223-7791

Chain of Custody/ Laboratory Analysis Request

DATE 2-8-95 PAGE 1 OF 1

PROJECT CHACO PLANT TRASH PIT SOIL
CLIENT INFO CONTACT EL PASO NATURAL GAS CO.
CHEMPRO DIVISION/GENERATOR NAME FARMINGTON, NM
TELEPHONE # LAB - (505) 599-2140
SAMPLERS NAME NORMAN NORVELLE PHONE #599-2157
SAMPLERS SIGNATURE Norman R. Norvelle

SAMPLE ID	DATE	TIME	LAB ID	TYPE
1 950081	2-3-95	14:15	95-A2601	SOIL
2				
3				
4				
5				
6				
7				
8				

ANALYSIS REQUESTED

BASE NEU ACID ORGAN GC/MS 625 8270	VOLATILE ORGANICS GC/MS 624 8240	PCBs 608 8082	TPH (GC) method 418.1 or 8015	BETX (GC) method 8240 or 8021	FLISTED SOLVENTS 824C	TCLP FLISTED SOLVENTS 1311/8240	TCLP METALS D004-D	METALS (TOTAL) As, Ba, Cd, Cr, Cu, Pb Ni, Hg, Ag, Se, Tl Sb, Zn	TCLP ORGANICS (Specify methods) • PCB • BNE • Pesticides 8080	DISCHARGE TESTING	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
		X					X		X PCB ONLY		X Ignitability	1	

Relinquished By
Norman R. Norvelle
Signature
NORMAN R. NORVELLE
Printed Name
EL PASO NATURAL GAS CO
Firm
2-8-95 / 12:00
Date/Time

Received By
B. Bell
Signature
BCL lab
Printed Name
2/10/95
Firm
Date/Time

Relinquished By
Signature
Printed Name
Firm
Date/Time

Received By
Signature
Printed Name
Firm
Date/Time

Relinquished By
Signature
Printed Name
Firm
Date/Time

Received By
Signature
Printed Name
Firm
Date/Time

SPECIAL INSTRUCTIONS/COMMENTS
* Called 2/10/95 They want PCBs only
#2331

DISTRIBUTION WHITE - return to originator, YELLOW - lab, PINK - returned by originator

(LAB 200 Rev. 10/9

BURLINGTON
ENVIRONMENTAL
A Philip Environmental Company

February 20, 1995

John Lambdin
El Paso Natural Gas Co.
Field Services Lab
P.O. Box 4990
Farmington, NM 87499

Project: CHACO PLANT TRASH PIT SOIL
Laboratory Job Number: 2331

On February 10 we received 1 sample(s).
We performed the following analyses:

TCLP Metals
PCB's — Instrument: Hewlett Packard 5890 GC
Flash Closed Cup

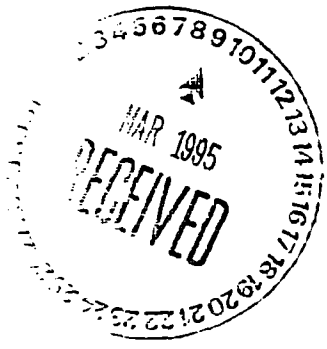
All samples were analyzed according to Methods specified in the work plan or Chain of Custody. Any deviations or exceptions to the standard methods are covered in Data Validation Notes.

All samples were extracted and analyzed within required holding times unless so noted.

Analysis and review was complete on February 20.

Sincerely,

Kathy Kreps
Lab Manager
(206) 227-6100
Burlington Environmental Corporate Lab
Washington Accreditation #C021



955 Powell Avenue SW • Renton, WA 98055-2908
(206) 227-0311 • FAX: (206) 227-6196

BURLINGTON ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:
El Paso Natural Gas Co.
Field Services Lab
P.O. Box 4990
Farmington, NM
87499

Project Name: CHACO PLANT TRASH PIT SOI
Report to: John Lambdin

Date Received: 2/10/95
Date Sampled: 2/ 3/95
Date Reported: 2/20/95

Laboratory No.: 95-A2061
Sample ID.: 950081

Job Number: 2331

Analyte	Results	Units	Method	Analyst	Date	
TCLP METALS						**LIMIT**
TCLP Arsenic	< 0.10	mg/L	6010/200.7	EML	2/14/95	5.0
TCLP Barium	0.75	mg/L	6010/200.7	EML	2/14/95	100
TCLP Cadmium	< 0.005	mg/L	6010/200.7	EML	2/14/95	1.0
TCLP Chromium	< 0.010	mg/L	6010/200.7	EML	2/14/95	5.0
TCLP Lead	< 0.10	mg/L	6010/200.7	EML	2/14/95	5.0
TCLP Mercury	< 0.0008	mg/L	7470/3112	HY	2/15/95	0.20
TCLP Selenium	< 0.30	mg/L	6010/200.7	EML	2/14/95	1.0
TCLP Silver	< 0.010	mg/L	6010/200.7	EML	2/14/95	5.0

Method 1311 Date Extracted: 2/13/95 Sample Wt.: 100. grams

PCBs					
Aroclor-1016	< 0.91	MG/KG	8081	ME	2/14/95
Aroclor-1221	< 0.91	MG/KG	8081	ME	2/14/95
Aroclor-1232	< 0.91	MG/KG	8081	ME	2/14/95
Aroclor-1242	< 0.91	MG/KG	8081	ME	2/14/95
Aroclor-1248	< 0.91	MG/KG	8081	ME	2/14/95
Aroclor-1254	< 0.91	MG/KG	8081	ME	2/14/95
Aroclor-1260	< 0.91	MG/KG	8081	ME	2/14/95
PCB Extraction					2/10/95

Surrogates	% Recovery	Limits
Tetrachloro-m-xylene	96.0	50.0-150.0
Decachlorobiphenyl	83.0	50.0-150.0

MISCELLANEOUS					
Flash Closed Cup	Comment NO FLASH	F	1020	RP	2/13/95

Reviewed & Approved by
3-21-95

Reviewed By : Kathy Krepp 2/20/95

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Page 1 of 1

Project Number	Project Name	Total No. of Containers	Composite or Grab	Requested Analysis						Contract Laboratory P.O. Number
	CHACO PLANT TRASH PIT									EPNG
Samplers: (Signature) Norman K. Trunk	Date:									
Lab ID	Date	Time	Matrix	Sample Number						Remarks
	2/3/95	14:15	Soil	950081	1	C	X	X		

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Norman K. Trunk	2/8/95 930	-			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)
				2/8/95 0930	Tony Tintas

Requested Turnaround Time:
☒ Routine ☐ Rush _____

Carrier Co.

Bill No.:

Sample Receipt Remarks

Charge Code

Results & Invoices to:

North Region Laboratory
El Paso Natural Gas Company
P. O. Box 4990
Farmington, New Mexico 87499

505-599-2144 FAX: 505-599-2261

White-Testing Laboratory Yellow-EPNG Lab Pink Field Sampler

FM-08-0565 (9-

- Norman Norville

Natural Gas Company

FIELD SERVICES LABORATORY

ANALYTICAL REPORT

~~PIT CLOSURE PROJECT - Soil Samples Inside the GW/V Zone~~

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	~~BC 9081~~ KDN 2/9/95	950081
MTR CODE | SITE NAME:	Chaco Plant Trash Pit	N/A
SAMPLE DATE | TIME (Hrs):	2/3/95	1415
SAMPLED BY:	~~N/A~~ Norman Norville	
DATE OF TPH EXT | ANAL.:	2/8/95	2/9/95
DATE OF BTEX EXT. | ANAL.:	2/7/95	2/7/95
TYPE | DESCRIPTION:		

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< 1.01	MG/KG	0.20234		4.93	20
TOLUENE	< 1.01	MG/KG	1		1	1
ETHYL BENZENE	< 1.01	MG/KG	1		1	1
TOTAL XYLENES	< 3.03	MG/KG	1		1	1
TOTAL BTEX	< 6.06	MG/KG				
TPH (418.1)	73.7	MG/KG			1.98	28
HEADSPACE PID	Not Run	PPM				
PERCENT SOLIDS	95.2	%				

– TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 –

e Surrogate Recovery was at 87.2 % for this sample All QA/QC was acceptable.

rrative:

Acceptable JR

= Dilution Factor Used

proved By: _____ Date: 3-21-95

Test Method for
Oil and Grease and Petroleum Hydrocarbons
in Water and Soil

Perkin-Elmer Model 1600 FT-IR
Analysis Report

)ate of Analysis: February 8, 1995

ABORATORY CONTROL SAMPLES: CALIBR ON CHECKS

SAMPLE ID	SOURCE	TRUE VALUE (PPM)	FOUND (MG/KG)	%R	ACCEPTABLE RANGE 75-125 %R YES	NO
ITIAL CALIBRATION VERIF. 2" Heavy Oil (Lot M3G9616)	HORIBA	100	103	103	X	

arrative: Acceptable.

ABORATORY DUPLICATES:

SAMPLE NUMBER	TYPE	SAMPLE RESULT (S)MG/KG	DUPLICATE RESULT (D)MG/KG	RPD	ACCEPTABLE RANGE + / - 35% YES	NO
946637	2nd Extract	481	388	21.4	X	
946640	2nd Extract	411	469	13.2	X	

irrative . Acceptable.

ABORATORY SPIKES:

SAMPLE NUMBER	SPIKE ADDED (SA)MG/KG	SAMPLE RESULT (S)MG/KG	SPIKE SAMPLE RESULT (SR)MG/KG	%R	ACCEPTABLE RANGE 75-125 %R YES	NO
946637	2830	481	3890	120	X	
946640	3030	411	4040	120	X	

rrative: Acceptable.

EFERENCE SOIL (Laboratory Control Sample):

SAMPLE ID	SOURCE	KNOWN VALUE (MG/KG)	SAMPLE RESULT FOUND (MG/KG)	MFG SPECIFIED RANGE	ACCEPTABLE YES	NO
A TPH STANDARD #1 T # 91026	ENVIRONMENTA RESOURCE ASS.	1340	1650	804 - 1680	X	
A TPH STANDARD #2 w/int T # 91026	ENVIRONMENTA RESOURCE ASS.	2590	3060	1550 - 3240	X	

rrative: Acceptable.

BORATORY REAGENT BLANK:

SAMPLE ID	SOURCE	TPH LEVEL (MG/KG)	STATUS
Freon Solvent	EPNG Lab	<10.0	ACCEPTABLE
Reagent Blank	EPNG Lab	<10.0	ACCEPTABLE

rative: Acceptable.

Extracted: 02/08/95

proved By: Date: 20-Feb-95

Samples: 946628A-946631A, 946633A-946635A, 946638A, and 950081A

QA/QC for 2/7/95 Sample Set

LABORATORY CALIBRATION CHECKS, LABORATORY CONTROL SAMPLES:

SAMPLE NUMBER ICV LA-41626 25 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	ACCEPTABLE YES	ACCEPTABLE NO
Benzene	Standard	25.0	24.5	98.0	75 - 125 %	X	
Toluene	Standard	25.0	29.2	116.8	75 - 125 %	X	
Ethyl benzene	Standard	25.0	27.0	108.0	75 - 125 %	X	
Total Xylenes	Standard	75.0	83.8	111.7	75 - 125 %	X	

SAMPLE NUMBER ICV LA-41626 200 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	ACCEPTABLE YES	ACCEPTABLE NO
Benzene	Standard	200	215	107.5	75 - 125 %	X	
Toluene	Standard	200	225	112.5	75 - 125 %	X	
Ethyl benzene	Standard	200	217	108.5	75 - 125 %	X	
m & p - Xylene	Standard	400	399	99.8	75 - 125 %	X	
o - Xylene	Standard	200	215	107.5	75 - 125 %	X	

SAMPLE NUMBER LCS DB-00050 25 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	ACCEPTABLE YES	ACCEPTABLE NO
Benzene	Standard	25.0	24.4	97.6	39 - 150	X	
Toluene	Standard	25.0	29.8	119.2	46 - 148	X	
Ethyl benzene	Standard	25.0	27.5	110.0	32 - 160	X	
Total Xylenes	Standard	75.0	85.6	114.1	Not Given	X	

SAMPLE NUMBER CCV LA-41626 25 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	ACCEPTABLE YES	ACCEPTABLE NO
Benzene	Standard	25.0	22.2	88.8	75 - 125 %	X	
Toluene	Standard	25.0	26.5	106.0	75 - 125 %	X	
Ethyl benzene	Standard	25.0	25.2	100.8	75 - 125 %	X	
Total Xylenes	Standard	75.0	77.8	103.7	75 - 125 %	X	

rrative: Acceptable.

SAMPLE NUMBER 946633 EXTRACT	TYPE (Analysis, Portion, or Sample)	SAMPLE RESULT PPM (mg/Kg)	DUPLICATE RESULT PPM (mg/Kg)	RPD	RANGE	ACCEPTABLE YES	NO
Benzene	2nd Portion	<1.01	<1.01	0	+/- 35 %	X	
Toluene	2nd Portion	<1.01	<1.01	0	+/- 35 %	X	
Ethyl benzene	2nd Portion	<1.01	<1.01	0	+/- 35 %	X	
Total Xylenes	2nd Portion	<3.03	<3.03	0	+/- 35 %	X	

rrative: Acceptable.

SAMPLE NUMBER 946634 EXTRACT	TYPE (Analysis, Portion, or Sample)	SAMPLE RESULT PPM (mg/Kg)	DUPLICATE RESULT PPM (mg/Kg)	RPD	RANGE	ACCEPTABLE YES	NO
Benzene	2nd Analysis	<1.00	<1.00	0	+/- 35 %	X	
Toluene	2nd Analysis	<1.00	<1.00	0	+/- 35 %	X	
Ethyl benzene	2nd Analysis	<1.00	<1.00	0	+/- 35 %	X	
Total Xylenes	2nd Analysis	<3.00	<3.00	0	+/- 35 %	X	

rrative: Acceptable.

ABORATORY SPIKES:

SAMPLE NUMBER 946631 EXTRACT - 2nd Analysis	SPIKE ADDED PPB	SAMPLE RESULT PPB	SPIKE SAMPLE RESULT PPB	%R	RANGE	ACCEPTABLE YES	NO
Benzene	40.0	<5.00	38.3	96	75 - 125 %	X	
Toluene	40.0	<5.00	42.8	107	75 - 125 %	X	
Ethyl benzene	40.0	<5.00	40.0	100	75 - 125 %	X	
Total Xylenes	120.0	<15.0	124	103	75 - 125 %	X	

rrative: Acceptable.

SAMPLE NUMBER 946629 EXTRACT - 2nd Portion	SPIKE ADDED PPB	SAMPLE RESULT PPB	SPIKE SAMPLE RESULT PPB	%R	RANGE	ACCEPTABLE YES	NO
Benzene	40.0	<5.00	38.4	96	75 - 125 %	X	
Toluene	40.0	<5.00	42.7	107	75 - 125 %	X	
Ethyl benzene	40.0	<5.00	41.6	104	75 - 125 %	X	
Total Xylenes	120.0	<15.0	124	103	75 - 125 %	X	

rative: Acceptable.

DITIONAL ANALYTICAL BLANKS:

SAMPLE ID AUTO BLANK	SOURCE	PPB	STATUS
Benzene	Boiled Water	<2.5	ACCEPTABLE
Toluene	Boiled Water	<2.5	ACCEPTABLE
Ethyl benzene	Boiled Water	<2.5	ACCEPTABLE
Total Xylenes	Boiled Water	<7.5	ACCEPTABLE

rative: Acceptable

SAMPLE ID SOIL VIAL BLANK	SOURCE	PPB	STATUS
Benzene	Vial + Boiled Water	<2.5	ACCEPTABLE
Toluene	Vial + Boiled Water	<5.0	ACCEPTABLE
Ethyl benzene	Vial + Boiled Water	<2.5	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<7.5	ACCEPTABLE

rative: Acceptable.

SAMPLE ID EXTRACTION BLANK	SOURCE	PPB (In 200 uL shot)	STATUS
Benzene	Methanol	<2.5	ACCEPTABLE
Toluene	Methanol	<2.5	ACCEPTABLE
Ethyl benzene	Methanol	<2.5	ACCEPTABLE
Total Xylenes	Methanol	<7.5	ACCEPTABLE

arrative: Acceptable.

SAMPLE ID Carryover contamination checks	SOURCE	NARRATIVE	STATUS
1/4	Vial + Boiled Water	All analytical compounds <5.0 ppb	ACCEPTABLE
2/4	Vial + Boiled Water	All analytical compounds <5.0 ppb	ACCEPTABLE
3/4	Vial + Boiled Water	All analytical compounds <5.0 ppb	ACCEPTABLE
4/4	Vial + Boiled Water	All analytical compounds <5.0 ppb	ACCEPTABLE

arrative: Acceptable.

AGENT BLANKS:

SAMPLE ID BOILED WATER CHECK	SOURCE 1/31/95	PPB	STATUS
Benzene	Boiled Water	<2.5	ACCEPTABLE
Toluene	Boiled Water	<2.5	ACCEPTABLE
Ethyl benzene	Boiled Water	<2.5	ACCEPTABLE
Total Xylenes	Boiled Water	<7.5	ACCEPTABLE

rrative: Acceptable

SAMPLE ID METHANOL CHECK	SOURCE 1/31/95	PPB	STATUS
Benzene	MeOH/Boiled Water	<2.5	ACCEPTABLE
Toluene	MeOH/Boiled Water	<2.5	ACCEPTABLE
Ethyl benzene	MeOH/Boiled Water	<2.5	ACCEPTABLE
Total Xylenes	MeOH/Boiled Water	<7.5	ACCEPTABLE

rrative: Acceptable

pproved By: _____ Date: 8-Feb-95

El Paso Natural Gas Company

MEMORANDUM

To: John Lambdin

Date: February 10, 1995

From: Norman R. Norvelle

Place: Field Services Engineering Lab

Subject: Chaco Plant Solid Waste Pit Closure Sampling

On February 3, 1995 at 10:00 AM, I met with Denny Foutz of NMOCD to witness my sampling of the Chaco Plant solid waste trash pit for closure. We were accompanied by Patrick Marquez and Lyndell Smith. Mr. Foutz had me sample two points at the bottom of the pit at a depth of one foot and then composite the two samples. These were put into a 16 oz. jar, 8 0z. jar and a 4 Oz. jar. An extra 8 Oz. jar was collected as a spare. The actual sample was taken at 2:15 PM. The assigned sample number was 950081. The following analysis was requested from BEI: ignitablility, TCLP metals, and PCB. Our lab performed the TPH and BETX analysis.

The sample was iced in a cooler until received in the lab and then stored in the sample refrigerator. On 2-9-95, the sample was packed in bubble wrap, iced and ship in a cooler to the BEI labs in Seattle. A temperature blank was included. The appropriate paper work is attached.

Mr. Foutz then performed an audit and plant tour of Chaco Plant. He was accomplished by Patrick Marquez, Lyndell Smith, and one of the plant leads.

Norman R. Norvelle

Norman R. Norvelle, Senior Division Chemist

attachments

cc: David Hall
Patrick Marquez

2203 Airport Way South, Suite 400
Seattle, WA 98134
206-223-0500 • FAX: 223-7791

Chain of Custody/ Laboratory Analysis Request

DATE 2-8-95 PAGE 1 OF 1

PROJECT CHACO PLANT TRASH PIT SOIL
CLIENT INFO CONTACT EL PASO NATURAL GAS CO.
CHEMPRO DIVISION/GENERATOR NAME FARMINGTON, NM
TELEPHONE # LAB - (505) 599-2140
SAMPLERS NAME NORMAN NORVELLE PHONE # 599-2157
SAMPLERS SIGNATURE Norman R. Norvelle

SAMPLE ID	DATE	TIME	LAB ID	TYPE
1 950081	2-3-95	14:15		SOIL
2.				
3.				
4				
5.				
6				
7				
8.				

ANALYSIS REQUESTED

BASE NEUTRAL ACID ORGAN. GC/MS 625 8270	VOLATILE ORGANICS GC/MS 624/8240	PCBs 608/8080	TPH (Gas) methods 418.1 or 8015	BETX (Gas) methods 8240 or 8020	RCRA LISTED SOLVENTS 8240	TCLP LISTED SOLVENTS 1311 8240	TCLP METALS D004...	METALS TOTAL As, Ba, Cd, Cr, Cu, Pb, Ni, Hg, Se, Ag, Sb, Zn	TCLP ORGANICS (specify methods) ...	DISCHARGE TESTING	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
		X					X				X Ign, Tabi, ITG	3	

Relinquished By
Norman R. Norvelle
Signature
NORMAN R. NORVELLE
Printed Name
EL PASO NATURAL GAS CO
Firm
2-8-95 / 12:00
Date/Time

Received By
Signature
Printed Name
Firm
Date/Time

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Company: EL PASO NATURAL GAS | Department/Floor No.:
Street Address: 770 N NAVAJO
City: FARMINGTON | State: NM | ZIP Required: 8 7 4 0 1

2 To (Recipient's Name) Please Print: SAMPLE CONTROL | Recipient's Phone Number (Very Important): (206)227-0311
Company: BURLINGTON ENVIRONMENTAL | Department/Floor No.:
Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes): 935 POWELL AVE SW
City: RENTON | State: WA | ZIP Required: 9 8 0 5 5

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5 [ ] Cash/Check Acct./Credit Card No. Exp. Date

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16 [ ] FEDEX LETTER*
12 [ ] FEDEX PAK*
13 [ ] FEDEX BOX
14 [ ] FEDEX TUBE

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56 [ ] FEDEX LETTER*
52 [ ] FEDEX PAK*
53 [ ] FEDEX BOX
54 [ ] FEDEX TUBE

Economy Two-Day (Delivery by second business day†)
30 [ ] ECONOMY*
* Economy Letter Rate not available. Minimum charge: One pound Economy rate.

Government Overnight (Restricted for authorized users only)
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41 [ ] GOVT PACKAGE

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80 [ ] TWO-DAY FREIGHT**
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3 [ ] DELIVER SATURDAY (Extra charge) (Not available in all locations)
9 [ ] SATURDAY PICK-UP (Extra charge)

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4 [ ] DANGEROUS GOODS (Extra charge)
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Dry Ice 9 CFR 1845 | X | kg Ice lbs
[ ] [redacted] | [redacted] | [redacted]
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STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

November 22, 1994

CERTIFIED MAIL
RETURN RECEIPT NO. P-667-242-177

Sohn, Can we make arrangements for sampling & Testing?

Thanks
PSH

Mr. Patrick Marquez
Compliance Engineer
El Paso Natural Gas Company
P.O. Box 4990
Farmington, New Mexico 87499

RE: SOLID WASTE PIT CLOSURES
ANGEL PEAK COMPRESSOR STATION AND CHACO GAS PLANT
SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Miller:

The New Mexico Oil Conservation Division (OCD) has reviewed El Paso Natural Gas Company's (EPNG) September 12, 1994 "SOLID WASTE PIT CLOSURES AT EPNG'S ANGEL PEAK AND CHACO FACILITIES". This document contains EPNG's proposed closure plan for closure of former solid waste pits at EPNG's Angel Peak Compressor Station and Chaco Gasl Plant.

The proposed closure plan as contained in the above referenced document **is approved with the following conditions:**

1. In addition to the soil sampling proposed, EPNG will analyze samples from the pits for hazardous waste characteristics.

2. All sample analyses will be conducted using EPA approved laboratory methods.

3. The results of the analytical sampling will be submitted to the OCD for approval prior to actual closure of the pits.

4. EPNG will notify the OCD at least 72 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples.

5. All original documents will be submitted to the OCD Santa Fe Office with copies provided to the OCD Aztec Office.

Mr. Bill Olson
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe. NM 87504

September 12, 1995

Subject: Solid Waste Pit Closures at EPNG's Angel Peak and Chaco facilities

Dear Mr. Olson:

Below are the plans for closure of the subject pits for your review and approval. The Angel Peak and Chaco pits historically received waste generated from the field operations until mid 1992 and March of 1994, respectively. Waste Management of Four Corners currently services both facilities.

Pit Locations and Dimensions

Chaco	SW/4. Section 16. T-26-N. R-12-W 50 x 7 x 2.5 yards	Angel Pk	NE/4. Section 8, T-27-N, R-10-W 35 x 5 x 3 yards

Facility Operations

- Typical contents would include: office paper products. wood. tin and aluminum cans. glycol and engine oil filters (drained before deposited). oily rags and small pieces of concrete.
- The pits never received liquids or household trash as both the Chaco and Angel Peak camps were retired in 1986.
- The Angel Peak pit has not received field waste for nearly two years and no plant trash since 1990. The pit was burned approximately once a week while in operation.
- The Chaco pit has not received trash since March of 1994 and was burned approximately once a month.

Closure

- A composite soil sample will be taken from the surface of the pit walls and the bottom of the pit approximately one foot deep.
- The representative sample will be analyzed for BTEX . PCBs. Ignitability, RCRA TCLP for metals and Total Petroleum Hydrocarbons.
- Upon submission of the test results. the pits will be filled with the original soil (current berm material). machine compacted and covered with an 18" cap designed to drain storm water.
- The pit locations relative to the plant surroundings are attached.
- Each pit lies on EPNG property.

El Paso Natural Gas respectfully request approval of the pit closure plans. Should you have questions, please call at 505 599 2175.

Thank you.

Patrick Marquez
Compliance Engineer

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

November 22, 1994

CERTIFIED MAIL
RETURN RECEIPT NO. P-667-242-177

Mr. Patrick Marquez
Compliance Engineer
El Paso Natural Gas Company
P.O. Box 4990
Farmington, New Mexico 87499

RE: SOLID WASTE PIT CLOSURES
ANGEL PEAK COMPRESSOR STATION AND CHACO GAS PLANT
SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Miller:

The New Mexico Oil Conservation Division (OCD) has reviewed El Paso Natural Gas Company's (EPNG) September 12, 1994 "SOLID WASTE PIT CLOSURES AT EPNG'S ANGEL PEAK AND CHACO FACILITIES". This document contains EPNG's proposed closure plan for closure of former solid waste pits at EPNG's Angel Peak Compressor Station and Chaco Gasl Plant.

The proposed closure plan as contained in the above referenced document **is approved with the following conditions:**

1. In addition to the soil sampling proposed, EPNG will analyze samples from the pits for hazardous waste characteristics.

2. All sample analyses will be conducted using EPA approved laboratory methods.

3. The results of the analytical sampling will be submitted to the OCD for approval prior to actual closure of the pits.

4. EPNG will notify the OCD at least 72 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples.

5. All original documents will be submitted to the OCD Santa Fe Office with copies provided to the OCD Aztec Office.

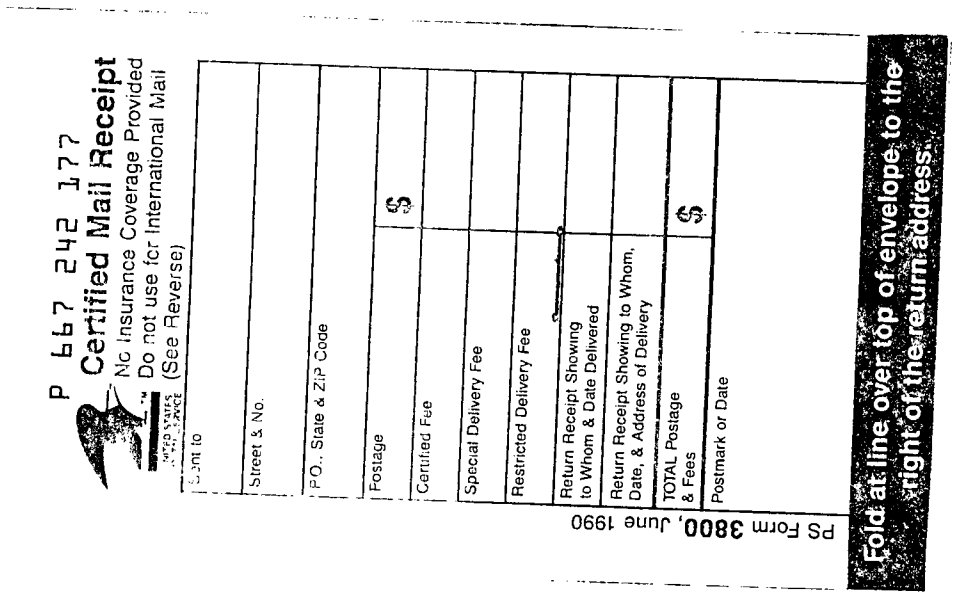
Please be advised that OCD approval does not limit EPNG to the work proposed should contaminants be found to be migrating from the site or if contamination exists which is beyond the scope of the work plan. In addition, OCD approval does not relieve EPNG of responsibility for compliance with any other federal, state and local laws and/or regulations.

If you have any questions, please contact me at (505) 827-5885.

Sincerely,

William C. Olson
Hydrogeologist
Environmental Bureau

xc: OCD Aztec District Office



El Paso
Natural Gas Company

P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

Mr. Bill Olson
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504

September 12, 1995

Subject: Solid Waste Pit Closures at EPNG's Angel Peak and Chaco facilities

Dear Mr. Olson:

Below are the plans for closure of the subject pits for your review and approval. The Angel Peak and Chaco pits historically received waste generated from the field operations until mid 1992 and March of 1994, respectively. Waste Management of Four Corners currently services both facilities.

Pit Locations and Dimensions

Chaco SW/4, Section 16, T-26-N, R-12-W
50 x 7 x 2.5 yards

Angel Pk NE/4, Section 8, T-27-N, R-10-W
35 x 5 x 3 yards

Facility Operations

- Typical contents would include; office paper products, wood, tin and aluminum cans, glycol and engine oil filters (drained before deposited), oily rags and small pieces of concrete.
- The pits never received liquids or household trash as both the Chaco and Angel Peak camps were retired in 1986.
- The Angel Peak pit has not received field waste for nearly two years and no plant trash since 1990. The pit was burned approximately once a week while in operation.
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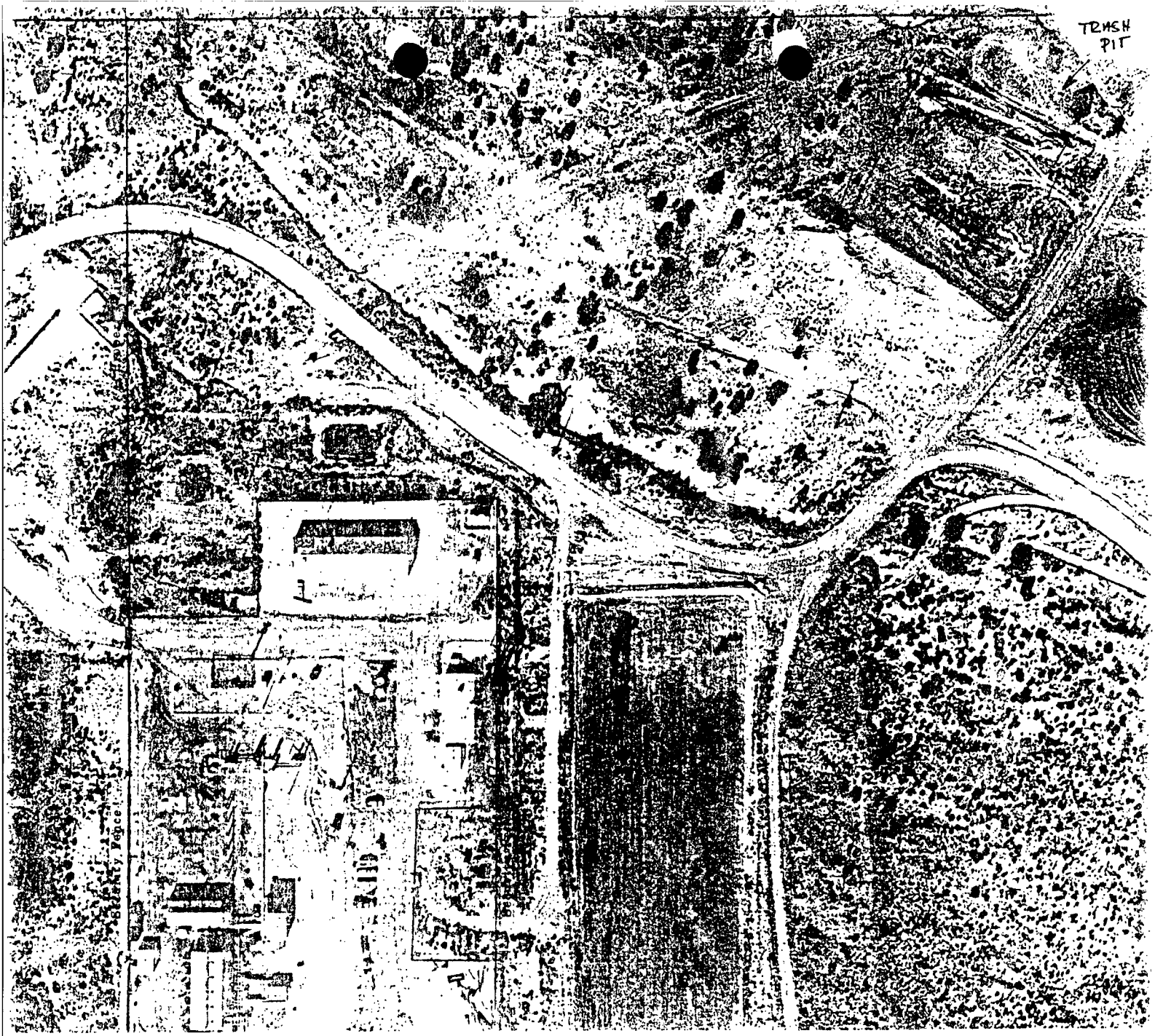
El Paso Natural Gas respectfully request approval of the pit closure plans. Should you have questions, please call at 505 599 2175.

Thank you,

P. S. Marquez

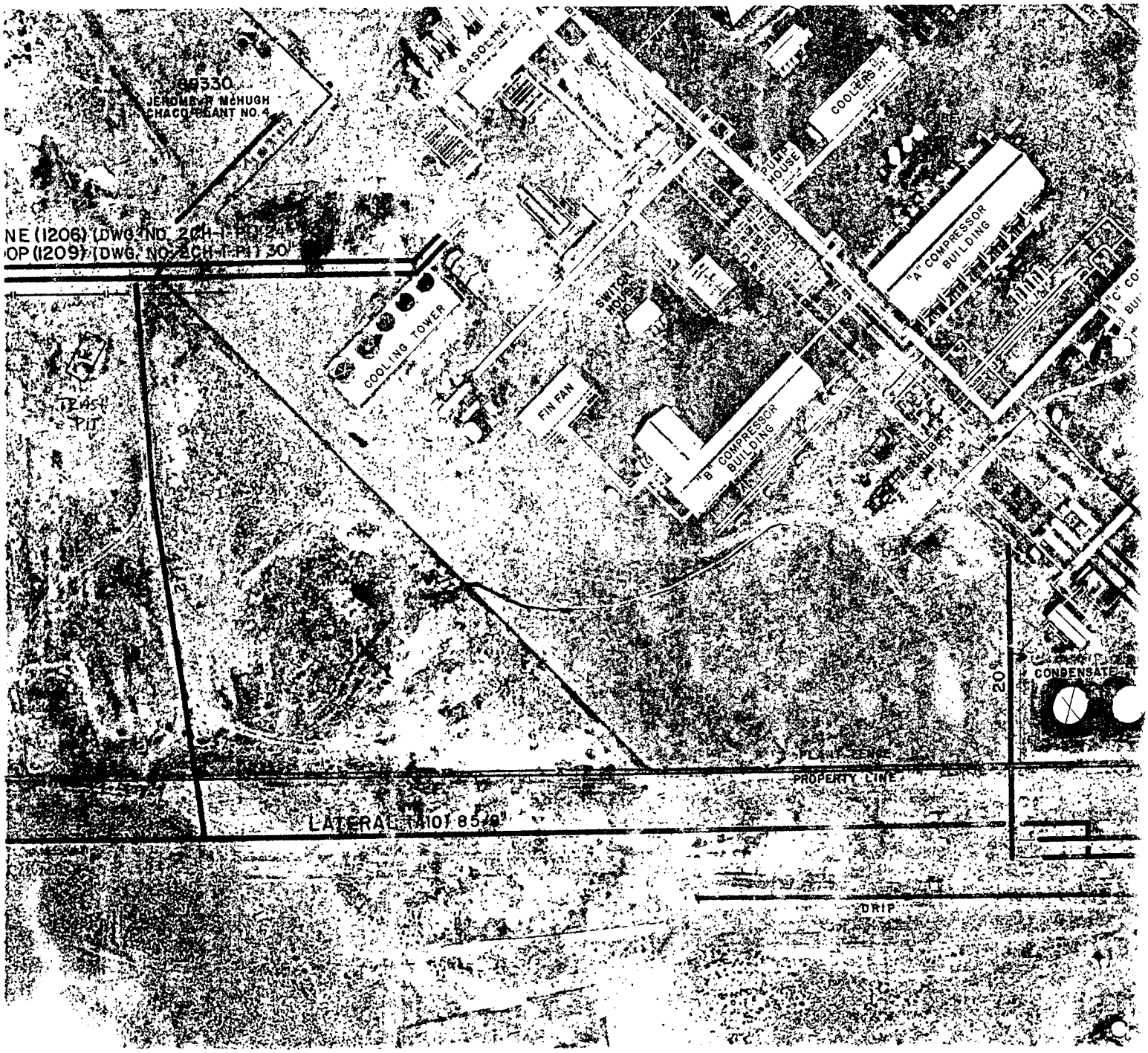
Patrick Marquez
Compliance Engineer



Angel Peak

N

Chaco Plant.


N
69330
JEROME P. McHUGH
CHACO PLANT NO. 4
GASOLINE
COOLERS
PUMP HOUSE
"A" COMPRESSOR BUILDING
SWITCH HOUSE NO. 2
COOLING TOWER
FIN FAN
"B" COMPRESSOR BUILDING
"C" CO
BU
CONDENSATE
20"
PROPERTY LINE
LATERAL
DRIP

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
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ANITA LOCKWOOD
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July 27, 1993

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

CERTIFIED MAIL
RETURN RECEIPT NO. P-667-242-366

Ms. A.N. Pundari
Senior Compliance Engineer
El Paso Natural Gas Company
P.O. Box 4990
Farmington, New Mexico 87499

SOIL REMEDIATION SITE
EPNG ANGEL PEAK COMPRESSOR STATION
SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Pundari:

The New Mexico Oil Conservation Division (OCD) is in receipt of El Paso Natural Gas Company's (EPNG) June 29, 1993 request to discontinue landfarming activities at the Angel Peak Compressor Station's Soil Remediation Site. The soils being landfarmed were generated during the closure of the EPNG Blanco Plant North Flare Pit. This request is based upon the analytical results of samples taken from remediated soils within the landfarm which were transmitted to OCD in EPNG's July 22, 1993 correspondence.

The soils in the landfarm have been remediated to the OCD standards in effect at this time and the above referenced request to discontinue the landfarm activities **is hereby approved.**

Please be advised that OCD approval does not relieve EPNG of liability should remaining contaminants in the landfarm pose a threat to public health or result in actual contamination of surface waters or ground waters. In addition, OCD approval does not relieve EPNG of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have any questions, please call me at (505) 827-5885.

Sincerely,

William C. Olson
Hydrogeologist
Environmental Bureau

xc: OCD Aztec District Office

P 667 242 366

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El Paso
Natural Gas Company

P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

July 22, 1993

Mr. Bill Olson
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504

Subject : Angel Peak Soil Remediation Site

Per our conversation last week, attached are the Angel Peak Landfarm BTEX results. The results are below the NMOCD Unlined Surface Impoundment Closure Guideline Recommended Remediation Levels for BETX.

Please give us permission to stop disking the site and consider the site remediated. If you need additional information or have any questions please call me at 599-2176.

Anu Pundari

Anu Pundari
Sr. Compliance Engineer

cc: Mr. David Hall (EPNG)

El Paso Natural Gas Company
San Juan Engineering, Field Services Compliance Laboratory
Report Summary Date: July 19, 1993
Angel Peak Land Farm

				LIMITS Benzene 10 MG/KG, Total BTEX 50 MG/KG				
				EPA 8020 - BTXE (MG/KG)				
Sample Number	Sample Location	Time	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	TOTAL BTEX
N30781	Row 1 - #2	1015	7/15/93	<0.01	<0.01	<0.01	<0.01	<0.04
N30782	Row 1 - #4	1025	7/15/93	<0.01	<0.01	<0.01	<0.01	<0.04
N30783	Row 2 - #3	1020	7/15/93	<0.01	<0.01	<0.01	<0.01	<0.04
N30784	Row 2 - #5	1026	7/15/93	<0.01	<0.01	<0.01	<0.01	<0.04
N30785	Row 2 - #5 Field Dup	1027	7/15/93	<0.01	<0.01	<0.01	<0.01	<0.04
N30786	Row 3 - #2	1035	7/15/93	<0.01	<0.01	<0.01	<0.01	<0.04
N30787	Row 3 - #4	1030	7/15/93	<0.01	<0.01	<0.01	<0.01	<0.04

Notes:

Limits are based on New Mexico Regulations.

A "D" following the result is a qualifier indicating that the result exceeded the method calibration curve limit.

/ = a duplicate sample was run with the result shown.

Approved By: John Fowler On: 7/18/93 7:21

QUALITY CONTROL REPORT

EPA METHOD 8020 - BTEX

Samples: N30781 to N30787

Date(s) Collected: July 15, 1993 Date(s) Analyzed: July 15 - 16, 1993

LABORATORY DUPLICATES:

SAMPLE NUMBER N30785	TYPE	SAMPLE RESULT (S) (PPB)	DUPLICATE RESULT (D) (PPB)	RPD	ACCEPTABLE RANGE + / - 35% YES	NO
Benzene	2nd Run	<2.0	<2.0	0.0	X	
Toluene	2nd Run	<2.0	<2.0	0.0	X	
Ethylbenzene	2nd Run	<2.0	<2.0	0.0	X	
Total Xylenes	2nd Run	<2.0	<2.0	0.0	X	

Narrative: Acceptable.

LABORATORY CONTROL, CALIBRATION CHECK:

SAMPLE NUMBER 100 PPB std	TYPE	KNOWN RESULT (PPB)	FOUND RESULT (PPB)	%R	ACCEPTABLE RANGE 75 - 125 % YES	NO
Benzene	Standard	100.0	77.9	77.9	X	
Toluene	Standard	100.0	87.9	87.9	X	
Ethylbenzene	Standard	100.0	86.6	86.6	X	
Total Xylenes	Standard	200.0	175	87.7	X	

Narrative: Acceptable.

LABORATORY SPIKES:

SAMPLE NUMBER	SPIKE ADDED (SA) PPB	SAMPLE RESULT (S) (PPB)	SPIKE SAMPLE RESULT (SR) (PPB)	%R	ACCEPTABLE RANGE 65-135 %R YES	NO
Benzene	50.0	0.0	65.0	130	X	
Toluene	50.0	0.0	62.2	124	X	
Ethylbenzene	50.0	0.0	49.0	98	X	
Total Xylenes	100.0	0.0	96.2	96	X	

Narrative: Acceptable.

LABORATORY AND TRIP BLANKS:

SAMPLE ID	SOURCE	Component (PPB)	STATUS
Benzene	EPNG Water	<2.0	ACCEPTABLE
Toluene	EPNG Water	<2.0	ACCEPTABLE
Ethylbenzene	EPNG Water	<2.0	ACCEPTABLE
Total Xylenes	EPNG Water	<2.0	ACCEPTABLE

Narrative: Acceptable!

Approved By: John Foulden Date: 18-Jul-93

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Project No.	Project Name	Total No. of Containers	Chain of Custody Seals	4°C Intact?	Requested Analysis: Composite or Grab	See Attached	BTEX			Contract Laboratory
	Angel Peak - Land Farm									EPNG
Samplers: (Signature) Richard Benson	Date 7-15-93	Receiving Temp. (°F) 4°C								

Lab ID	Date	Time	Matrix	Sample Number	Remarks
	7-15-93	1015	SOIL	N30781	Row 1 - #2
	7-15-93	1025	SOIL	N30782	Row 1 - #4
	7-15-93	1020	SOIL	N30783	Row 2 - #3
	7-15-93	1026	SOIL	N30784	Row 2 - #5
	7-15-93	1027	SOIL	N30785	Row 2 - #5 Field DUP
	7-15-93	1035	SOIL	N30786	Row 3 - #2
	7-15-93	1030	SOIL	N30787	Row 3 - #4

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Richard Benson	7-15-93 1200				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks:	
Results & Invoices to::		Charge Code	Date Results Reported / by: (Signature)		

WHITE-Testing Laboratory YELLOW-EPNG Lab PINK-Field Sampler

san juan repro Form 71-65

El Paso
Natural Gas Company

P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

June 29, 1993

Mr. Bill Olson
New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504

Subject : Angel Peak Soil Remediation Site

Last year, El Paso Natural Gas Company (EPNG) remediated the Blanco North Flare Pit. The contaminated soils were transported to the Angel Peak Plant Soil Remediation Site (SRS) . The SRS has been disked on a regular basis.

To accelerate degradation of the hydrocarbons in the soil, the SRS was sectioned into three areas and enhancements were added. Manure was added to Strip #1 and fertilizer containing nitrogen and phosphorous was added to Strip #2. No enhancements were added to Strip #3 since it was used as a control . A summary of historical results and recent sampling results is under Tab 1.

EPNG would like to discontinue further disking at the site and consider the SRS remediated for the following reasons :

1) The site is not located in a Wellhead Protection Area and is greater than 1000 feet to a Surface Water Body. The pit is located outside both the Vulnerable Groundwater Zone and Expanded Zone. The recommended TPH remediation level for pits located in an area with depth to groundwater greater than 100 feet, outside a Wellhead Protection Area, and greater than 1000 feet to a Surface Water Body is 5000 ppm. In April 1993, only two out of the eighteen SRS samples exceeded 1000 ppm TPH.

2) There is poor quality water in the shallow Nacimiento aquifer. There are no water wells within 2.5 mile radius of the site other than EPNG wells. An EPNG water well summary is under Tab 2. Wells 1, 3, 4, and 7 were abandoned due to poor water quality. Well 2 was abandoned due to sanding. Well 5 and Well 6 were never completed due to poor water quality. Drinking water for the plant comes from Well 10. Sampling in June 1969 from Well 4 indicated Chloride concentrations ranging from 10 ppm to 48 ppm, Sulfate concentration ranging from 1210 ppm to 1990 ppm, and the Total Dissolved Solids concentration ranging from 2154 ppm to 3000 ppm.

3) There is little or no BETX in the soils since the SRS was regularly disked.

4) The remaining heavier hydrocarbons at the SRS are less likely to migrate.

Therefore, EPNG requests permission to stop disking the site and consider the site remediated. Please give us your approval as soon as possible. If you need additional information or have any questions please call me at 599-2176.

Anu Pundari

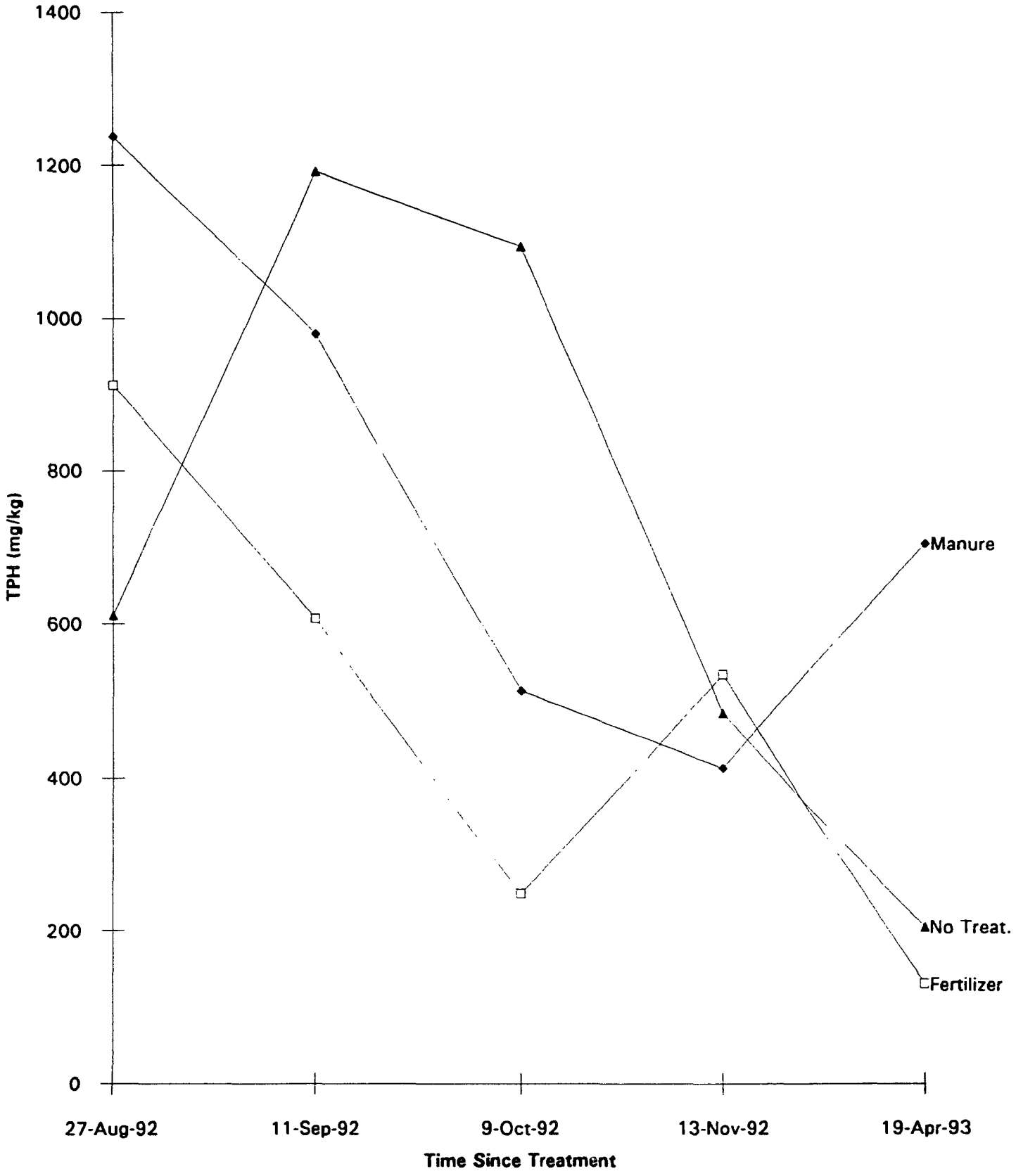
Anu Pundari
Sr. Compliance Engineer

cc: Mr. David Hall

TPH SUMMARY OF RESULTS
ANGEL PEAK SRS
April 16, 1993
(All in MG/KG)

	Test Strip #1 Manure Treat.	Test Strip #2 Fertilizer	Test Strip #3 No Treatment
Begin (August 27, 1992)			
Average	1237	912	611
Standard Dev.	1025	794	400
After 2 Weeks (September 11, 1992)			
Average	980	607	1192
Standard Dev.	668	421	935
After 1 Month and 12 Days (October 9, 1992)			
Average	513	249	1094
Standard Dev.	393	161	1395
After 2 Months and 13 Days (November 13, 1992)			
Average	413	534	484
Standard Dev.	345	910	910
After 7 Months and 23 Days (April 20, 1993)			
Average	705	130	205
Standard Dev.	546	253	256

Angel Peak SRS Soil TPH vs Time Chart



FIELD SERVICES LABORATORY ANALYTICAL RESULTS
ANGEL PEAK SRS TEST STRIP #1 - MANURE
Collected By: Dennis Bird and Richard Benson

Date Collected: 4/19/93
Date Extracted: 4/20/93
Date Analyzed: 4/20/93
Holding Time Status: Acceptable

Field ID	Sample Number	Sample Location	Event	Time	Date (MM/DD/YY)	Matrix	IR TPH Mod. 418.1 (MG/KG)
1-1	N30515	Angel Peak SRS, Test Strip #1	7 mo. 23 Days	1000	4/19/93	Soil	652
1-2	N30516	Angel Peak SRS, Test Strip #1	7 mo. 23 Days	1005	4/19/93	Soil	346
1-3	N30517	Angel Peak SRS, Test Strip #1	7 mo. 23 Days	1010	4/19/93	Soil	0
1-4	N30518	Angel Peak SRS, Test Strip #1	7 mo. 23 Days	1015	4/19/93	Soil	1353
1-5	N30520	Angel Peak SRS, Test Strip #1	7 mo. 23 Days	1020	4/19/93	Soil	377
1-6	N30521	Angel Peak SRS, Test Strip #1	7 mo. 23 Days	1025	4/19/93	Soil	1501
				Average:			705
				Standard Deviation:			546
1-4D	N30519	Angel Peak SRS, Test Strip #1 (Field Duplicate)	7 mo. 23 Days	1015	4/19/93	Soil	1093

FIELD SERVICES LABORATORY ANALYTICAL RESULTS
ANGEL PEAK SRS TEST STRIP #2 - FERTILIZER
Collected By: Dennis Bird and Richard Benson

Date Collected: 4/19/93
Date Extracted: 4/20/93
Date Analyzed: 4/20/93
Holding Time Status: Acceptable

Field ID	Sample Number	Sample Location	Event	Time	Date (MM/DD/YY)	Matrix	IR TPH Mod. 418.1 (MG/KG)
2-1	N30522	Angel Peak SRS, Test Strip #2	7 mo. 23 Days	1035	4/19/93	Soil	55
2-2	N30523	Angel Peak SRS, Test Strip #2	7 mo. 23 Days	1040	4/19/93	Soil	31
2-3	N30524	Angel Peak SRS, Test Strip #2	7 mo. 23 Days	1045	4/19/93	Soil	0
2-4	N30525	Angel Peak SRS, Test Strip #2	7 mo. 23 Days	1050	4/19/93	Soil	0
2-5	N30527	Angel Peak SRS, Test Strip #2	7 mo. 23 Days	1055	4/19/93	Soil	693
2-6	N30528	Angel Peak SRS, Test Strip #2	7 mo. 23 Days	1100	4/19/93	Soil	0
				Average:			130
				Standard Deviation:			253
2-5D	N30526	Angel Peak SRS, Test Strip #2 (Field Duplicate)	7 mo. 23 Days	1045	4/19/93	Soil	345

FIELD SERVICES LABORATORY ANALYTICAL RESULTS
ANGEL PEAK SRS TEST STRIP #3 - CONTROL (No Treatment)
Collected By: Dennis Bird and Richard Benson

Date Collected: 4/19/93
Date Extracted: 4/20/93
Date Analyzed: 4/20/93
Holding Time Status: Acceptable

Field ID	Sample Number	Sample Location	Event	Time	Date (MM/DD/YY)	Matrix	IR TPH Mod. 418.1 (MG/KG)
3-1	N30529	Angel Peak SRS, Test Strip #3	7 mo. 23 Days	1115	4/19/93	Soil	0
3-2	N30530	Angel Peak SRS, Test Strip #3	7 mo. 23 Days	1120	4/19/93	Soil	59
3-3	N30531	Angel Peak SRS, Test Strip #3	7 mo. 23 Days	1125	4/19/93	Soil	489
3-4	N30532	Angel Peak SRS, Test Strip #3	7 mo. 23 Days	1130	4/19/93	Soil	635
3-5	N30533	Angel Peak SRS, Test Strip #3	7 mo. 23 Days	1135	4/19/93	Soil	42
3-6	N30535	Angel Peak SRS, Test Strip #3	7 mo. 23 Days	1140	4/19/93	Soil	7
				Average:			205
				Standard Deviation:			256
3-5D	N30534	Angel Peak SRS, Test Strip #3 (Field Duplicate)	7 mo. 23 Days	1135	4/19/93	Soil	35
QA/QC	N30536	Background Soil - Westside	7 mo. 23 Days	1145	4/19/93	Soil	0
QA/QC	N30537	Background Soil - Eastside	7 mo. 23 Days	1150	4/19/93	Soil	0

Overall Average: 440
Overall Standard Deviation: 673

Approved By: John Lambert 5/14/93
Date

QUALITY CONTROL REPORT
Modified 418.1 by Infrared
Total Petroleum Hydrocarbons
Samples N30515 to N30537

LABORATORY CONTROL SAMPLES: CALIBRATION CHECKS

SAMPLE ID	SOURCE	TRUE VALUE (PPM)	FOUND (MG/KG)	%R	ACCEPTABLE RANGE 75-125 %R YES	NO
INITIAL CALIBRATION VERIFICATION "B" Heavy Oil (Lot MOR9480)	HORIBA	300.0	294.7	98.2	X	

Narrative: Acceptable.

LABORATORY AND FIELD DUPLICATES:

SAMPLE NUMBER	TYPE	SAMPLE RESULT (S)MG/KG	DUPLICATE RESULT (D)MG/KG	RPD	ACCEPTABLE RANGE + / - 35% YES	NO
N30515/N30515D	2nd Extract	652	841	25.3	X	
N30525/N30525D	2nd Extract	<10	<10	0.0	X	
N30536/N30536D	2nd Extract	<10	<10	0.0	X	
N22815/N22816	Field	888	1078	19.3	X	
N22823/N22824	Field	2552	2589	1.4	X	

Narrative: Acceptable.

LABORATORY SPIKES:

SAMPLE NUMBER	SPIKE ADDED (SA)MG/KG	SAMPLE RESULT (S)MG/KG	SPIKE SAMPLE RESULT (SR)MG/KG	%R	ACCEPTABLE RANGE 75-125 %R YES	NO
N30515/N30515S	3250	652	4393	115	X	
N30525/N30525S	3700	0	4993		Not Valid, Blank Spike.	
N30536/N30536S	3550	0	4560		Not Valid, Blank Spike.	

Narrative: Acceptable!

REFERENCE SOIL (Laboratory Control Sample):

SAMPLE ID	SOURCE	KNOWN VALUE (MG/KG)	SAMPLE RESULT FOUND (MG/KG)	RPD	ACCEPTABLE RANGE + / - 35% YES	NO
ERA TPH STANDARD #2 w/intf. , LOT # 91022	ENVIRONMENTAL RESOURCE ASS.	1220	1307	6.9	X	

LABORATORY REAGENT BLANK:

SAMPLE ID	SOURCE	TPH LEVEL (MG/KG)	STATUS
Freon Solvent	Mallinkroft	<10.0	ACCEPTABLE
Reagent Blank	EPNG Lab	<10.0	ACCEPTABLE

Narrative: Acceptable.

Approved By: [illegible] 6/4/93

Angel Peak Water Well Summary, June 23, 1993

WELL ID	TOWN SHIP	RANGE	SECT	STATIC LEVEL	SCREENED INTERVAL	TOTAL DEPTH	AQUIFER	ABAND.	ABANDONMENT CAUSE
WW-01	27 N	10 W	8	170.0	170-235	235.0	Nacimiento	Y	Poor Quality
WW-02	27 N	10 W	8	54.7	160-204	204.0	Nacimiento	Y	Sanding
WW-03	27 N	10 W	8	60.0	55-67 165-195	235.0	Nacimiento	Y Y	Poor Quality
WW-04	27 N	10 W	8	125.0	628-686 847-913	946.0	Ojo Alamo	Y Y	Poor Quality
TW-05	27 N	10 W	8	NA	NA	970.0	Ojo Alamo	Y	Poor Quality
TW-06	27 N	10 W	8	NA	NA	1066.0	Ojo Alamo	Y	Poor Quality
WW-07	27 N	10 W	7	NA	UNKNOWN	1738.0	Ojo Alamo	Y	Poor Quality
WW-10	27N	10 W	26	540.0	1002-1102	1102.0	Ojo Alamo	N	NA

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

November 18, 1991

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

CERTIFIED MAIL
RETURN RECEIPT NO. P-327-278-276

Mr. Thomas D. Hutchins
North Region Compliance Manager
El Paso Natural Gas Company
P.O. Box 1492
El Paso, Texas 79978

Re: Soil Remediation Site
Angel Peak Compressor Station
San Juan County, New Mexico

Dear Mr. Hutchins:

The Oil Conservation Division (OCD) has received your request, dated November 6, 1991, for authorization to construct and operate a soil remediation landfarm at the El Paso Natural Gas Company's (EPNG) Angel Peak Compressor Station located in the NE/4, Section 8, Township 27 North, Range 10 West, NMPM, San Juan County, New Mexico. Soils excavated from the EPNG Blanco north flare pit will be transported to the proposed landfarm for remediation.

Based on the information provided in your request, you are authorized to construct and operate the proposed landfarm with the following conditions:

1. No liquids will be disposed of at the landfarm.

2. Only solids that are "non-hazardous" by RCRA Subtitle C exemption or by characteristic testing will be placed in the landfarm.

3. Only solids from the EPNG Blanco Compressor Station will be placed in the landfarm. If solids from more than one site are to be disposed of at the landfarm, the status of the landfarm will change to a centralized disposal facility which requires additional permitting pursuant to OCD rule 711.

Please be advised that approval of this landfarm does not relieve you of liability should your operation result in actual pollution

of surface or ground waters or the environment actionable under other laws and/or regulations.

If you have any questions, please call me at (505) 827-5812.

Sincerely,

Roger C. Anderson
Acting Bureau Chief

xc: OCD Aztec Office

El Paso
Natural Gas Company

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

November 6, 1991

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

Re: El Paso Natural Gas Company's Soil Remediation Site at Angel Peak Plant

Dear Mr. Anderson:

On October 24, 1991, El Paso Natural Gas Company (EPNG) representatives discussed the proposed soil remediation site at Angel Peak Plant with you and Mr. Bill Olson. Angel Peak Plant is located in the NE/4, Section 8, T-27-N, R-10-W, San Juan County, New Mexico. The depth to groundwater in the wells at the plant is over 800 feet.

EPNG plans to excavate soil from the Blanco Plant north flare pit and transport the soil to EPNG's Angel Peak Plant. A contractor will spread the soil in a six inch lift. The soil will be disced two times per week for the duration of the Blanco north flare pit closure project. After completion of the Blanco Plant project, the soil will be disced once a month.

Additional lifts will not be spread until a laboratory measurement of Total Petroleum Hydrocarbons (TPH) in the previous lift is less than 100 ppm and the sum of all aromatic hydrocarbons is less than 50 ppm, and benzene is less than 10 ppm.

Samples will be collected according to SW-846 guidelines. In addition, records of the laboratory analysis and the sampling locations will be maintained by EPNG.

A two foot high earthen berm and "hogwire" fence will be constructed around the soil remediation area. In addition, a twenty foot wide drive through gate will be installed to allow equipment access to the site.

EPNG requests approval for the soil remediation site at Angel Peak Plant constructed and operated as outlined above. EPNG is only planning to use the soil remediation site for landfarming of the soil excavated from the flare pit. NMOCD will be notified prior to utilizing the site for other projects.

I look forward to receiving your approval. If you have any questions, please call me at (915) 541-3531.

Very truly yours,

Thomas D. Hutchins

Thomas D. Hutchins
North Region Compliance Manager