GW - 239

GENERAL CORRESPONDENCE

YEAR(S):

2006 → 1996

TEPPCO

P.O. Box 2521
Houston, Texas 77252-2521
Office 713-759-3636
Facsimile 713/759-3783

2006 DEC 14 PM 2 33

GW-239

December 11, 2006

CERTIFIED MAIL No.:
7006 0810 0002 1196 2236
RETURN RECEIPT REQUESTED

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Re: TEPPCO Val Verde Buena Vista Compressor Station
TEPPCO Val Verde Cedar Hill Compressor Station
TEPPCO Val Verde Quinn Compressor Station
New Mexico Groundwater Discharge Plan Permits
Public Notices and Affidavits
Copies of Landowner Letters and Affidavits

Dear Mr. Chavez:

Attached are the four (4) original affidavits and four (4) original Public Notices published in The Daily Times newspaper of Farmington, San Juan County, New Mexico on Wednesday October 25, 2006. Each Public Notice includes all three stations and they are delineated as follows:

1) English version of the Public Notice listed in one section of the paper on Wednesday October 25, 2006
2) English version of the Public Notice listed in another section of the paper on Wednesday October 25, 2006
3) Spanish version of the Public Notice listed in one section of the paper on Wednesday October 25, 2006
4) Spanish version of the Public Notice listed in another section of the paper on Wednesday October 25, 2006

Additionally, attached are the Affidavit of Submitted Letters to the land owners and copies of the letters that were submitted.

If you have any comments or questions, please contact me at 713-803-8358 or lkaparicio@teppco.com.

Sincerely,

L. Kristine Aparicio
Program Manager Environmental Plans & Regulatory Affairs

TEPPCO

P.O. Box 2521
Houston, Texas 77252-2521
Office 713/759-3636
Facsimile 713/759-3783

October 24, 2006

CERTIFIED MAIL NO.:
7006 0810 0002 1196 2199
CETURN RECEIPT REQUESTED

State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

Re: TEPPCO NGL Pipelines, LLC
TEPPCO Val Verde Quinn Compressor Station
Land Owner Notification of Groundwater Discharge Permits

Dear Madam or Sir:

TEPPCO NGL Pipelines, LLC ("TEPPCO") respectfully informs the State of New Mexico that the TEPPCO Val Verde Quinn Compressor Station has applied for renewal of the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division Groundwater Discharge Permit. This permit is only a precautionary requirement since TEPPCO does not discharge any materials to the surface or groundwater at this facility.

Attached is copy of the public notice that was posted on the New Mexico Energy, Minerals, & Natural Resources Department Oil Conservation Division Environmental Bureau Website. This same public notice was published in the Daily Times from Farmington, New Mexico.

If you have any comments, or questions, please contact me at 713-803-8358.

Sincerely,

L. Kristine Aparicio

L. Kristine Aparicio
Program Manager Environmental Plans & Regulatory Affairs

DRAFT DOCUMENT

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 applications have been submitted to the Director of the Oil Conservation Division, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-239) - TEPPCO NGL Pipelines, LLC, Deodat Bhagwandin, P.E., Manager, Environmental Management Systems, P.O. Box 2521, Houston, Texas 77252-2521, has submitted an application for renewal of their previously approved discharge plan for the TEPPCO Quinn Compressor Station located in the NW/4 SW/4 of Section 16, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. The natural gas compressor station currently has a horsepower rating of 3,200 HP. The discharge plan consists of natural gas products; waste oil and water stored in above ground tanks prior to being transported off-site to OCD approved facilities. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 250 feet with an estimated total dissolved solids concentration of approximately 1700 mg/L. The discharge plan addresses how oilfield products and wastes will be properly handled, stored, and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water.

(GW-255) - TEPPCO NGL Pipelines, LLC, Deodat Bhagwandin, P.E., Manager, Environmental Management Systems, P.O. Box 2521, Houston, Texas 77252-2521, has submitted an application for renewal of their previously approved discharge plan for the TEPPCO Buena Vista Compressor Station located in the NW/4 NE/4 of Section 13, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico. The natural gas compressor station currently has a total combined horsepower rating of 5,300 HP. The discharge plan consists of natural gas products; waste oil and water stored in above ground tanks prior to being transported off-site to OCD approved facilities. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 30 feet with an estimated total dissolved solids concentration of approximately 1100 mg/L. The discharge plan addresses how oilfield products and wastes will be properly handled, stored, and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water.

(GW-258) - TEPPCO NGL Pipelines, LLC, Deodat Bhagwandin, P.E., Manager, Environmental Management Systems, P.O. Box 2521, Houston, Texas 77252-2521, has submitted an application for renewal of their previously approved discharge plan for the TEPPCO Cedar Hill Compressor Station located in the SW/4 of Section 29, NW/4 of Section 32, Township 32 North, Range 10 West, NMPM, San Juan County, New Mexico. The natural gas compressor station currently has a total combined horsepower rating of 10,600 HP. The discharge plan consists of natural gas products; waste oil and water stored in above ground tanks prior to being transported off-site to

DRAFT DOCUMENT

OCD approved facilities. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 250 feet with an estimated total dissolved solids concentration of approximately 1100 mg/L. The discharge plan addresses how oilfield products and wastes will be properly handled, stored, and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water.

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 and draft discharge permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. The draft discharge permit may also be viewed at OCD's web site www.emnrd.state.nm.us/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 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 22nd day of September 2006.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

MARK FESMIRE, Director

AFFIDAVIT OF PUBLICATION

Ad No. 54364

STATE OF NEW MEXICO
County of San Juan:

ROBIN ALLISON, being duly sworn says: That she 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 and appeared in the Internet at The Daily Times web site on the following day(s):

Wednesday October 25, 2006

And the cost of the publication is $725.03

ON 10/31/2006 ROBIN ALLISON appeared before me, whom I know personally to be the person who signed the above document.

My Commission Expires 8/30/2010

COPY OF PUBLICATION

AVISO DE PUBLICACION

ESTADO DE NUEVO MEXICO
DEPARTAMENTO DE ENERGIA, MINERALES, Y RECURSOS NATURALES
DIVISION DE CONSERVACION DE PETROLEO

Aviso esta dado por lo presente que según a las regulaciones de New Mexico Water Quality Control Commission, las siguientes aplicaciones para plan de descarga han sido remitidos al Director del Oil Conservation Division, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Teléfono (505) 476-3440:

(GW-239) – TEPPCO NGL Pipeline, LLC, P.O. Box 2521, Houston, Texas 77252-2521 ha remitido una aplicación pare renovar su plan de descarga previamente aprobado para TEPPCO Quinn Compressor Station localizada en NO/4 SO/4 de Sección 16, Municipio 31 Norte, Rango 8 Oeste, NMPM, Condado de San Juan, Nuevo Mexico. La estación compresora de gas natural actualmente tiene una capacidad de 3,200 caballos. El plan de descarga consiste de productos de gas natural, aceite desechado, y agua almacenada en tanques sobre tierra antes de ser transportada fuera de sitio hacia facilidades aprobadas por OCD. Agua subterránea mas probablemente afectada en un evento de una descarga accidental esta en una profundidad de aproximadamente 250 pies con una estimada concentración total de sólidos disueltos de aproximadamente 1700 mg/L. El plan de descarga presenta como productos de campo petrolero y desperdicios serán adecuadamente manejados, almacenados, y desechados, incluyendo como derrames, escapes, y otras descargas accidentales a la superficie serán manejadas para proteger agua fresca.

(GW-255) – TEPPCO NGL Pipeline, LLC, P.O. Box 2521, Houston, Texas 77252-2521 ha remitido una aplicación pare renovar su plan de descarga previamente aprobado para TEPPCO Buena Vista Compressor Station localizada en NO/4 NE/4 de Sección 13, Municipio 30 Norte, Rango 9 Oeste, NMPM, Condado de San Juan, Nuevo Mexico. La estación compresora de gas natural actualmente tiene una capacidad combinada total de 5,300 caballos. El plan de descarga consiste de productos de gas natural, aceite desechado, y agua almacenada en tanques sobre tierra antes de ser transportada fuera de sitio hacia facilidades aprobadas por OCD. Agua subterránea mas probablemente afectada en un evento de una descarga accidental esta en una profundidad de aproximadamente 30 pies con una estimada concentración total de sólidos disueltos de aproximadamente 1100 mg/L. El plan de descarga presenta como productos de campo petrolero y desperdicios serán adecuadamente manejados, almacenados, y desechados, incluyendo como derrames, escapes, y otras descargas accidentales a la superficie serán manejadas para proteger agua fresca.

(GW-258) – TEPPCO NGL Pipeline, LLC, P.O. Box 2521, Houston, Texas 77252-2521 ha remitido una aplicación pare renovar su plan de descarga previamente aprobado para TEPPCO Cedar Hill Compressor Station localizada en SO/4 de Sección 29, NO/4 de Sección 32, Municipio 32 Norte, Rango 8 Oeste, NMPM, Condado de San Juan, Nuevo Mexico. La estación compresora de gas natural actualmente tiene una capacidad combinada total de 10,600 caballos. El plan de descarga consiste de productos de gas natural, aceite desechado, y agua almacenada en tanques sobre tierra antes de ser transportada fuera de sitio hacia facilidades aprobadas por OCD. Agua subterránea mas probablemente afectada en un evento de una descarga accidental esta en una profundidad de aproximadamente 250 pies con una estimada concentración total de sólidos disueltos de aproximadamente 1100 mg/L. El plan de descarga presenta como productos de campo petrolero y desperdicios serán adecuadamente manejados, almacenados, y desechados, incluyendo como derrames, escapes, y otras descargas accidentales a la superficie serán manejadas para proteger agua fresca.

Cualquier persona interesada puede obtener más información del Oil Conservation Division y puede remitir comentarios escritos al Director del Oil Conservation Division a la dirección dada arriba. La aplicación de permiso de descarga y borrador del permiso de descarga pueden ser vistos en la dirección dada arriba entre las 8:00 am y 4:00 pm, de Lunes a Viernes. El borrador del permiso de descarga también puede ser visto en el sitio web de OCD www.emnrd.state.nm.us/ocd/. Antes de decidir en cualquier permiso de descarga propuesto o su modificación, el Director del Oil Conservation Division deberá permitir por lo menos 30 días después de la fecha de publicación de este aviso durante cuando comentarios puedan ser remitidos y una audiencia publica puede ser solicitada por cualquier persona interesada. Solicitudes para una audiencia pública tendrán que dar las razones por cual una audiencia tendría que llevarse acabo. Una audiencia se llevara acabo si el Director determina que hay significante interés público.

Si una audiencia pública no se lleva acabo, el Director aprobara o desaprobara el plan propuesto basado en la información disponible. Si una audiencia pública se lleva acabo, el Director aprobara o desaprobara el plan propuesto basado en la información en el plan y la información remitida en la audiencia.

Legal No. 54364, published in The Daily Times, Farmington, New Mexico on Wednesday, October 25, 2006

AFFIDAVIT OF PUBLICATION

Ad No. 54365

STATE OF NEW MEXICO
County of San Juan:

ROBIN ALLISON, being duly sworn says: That she 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 and appeared in the Internet at The Daily Times web site on the following day(s):

Wednesday October 25, 2006

And the cost of the publication is $725.03

Robin Allison

ON 10/31/2006 ROBIN ALLISON appeared before me, whom I know personally to be the person who signed the above document.

Juliette R Bacsey

My Commission Expires 8/30/2010

COPY OF PUBLICATION

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 applications have been submitted to the Director of the Oil Conservation Division, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-239) - TEPPCO NGL Pipelines, LLC, Deodat Bhagwandin, P.E., Manager, Environmental Management Systems, P.O. Box 2521, Houston, Texas 77252-2521, has submitted an application for renewal of their previously approved discharge plan for the TEPPCO Quinn Compressor Station located in the NW/4 SW/4 of Section 16, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. The natural gas compressor station currently has a horsepower rating of 3,200 HP. The discharge plan consists of natural gas products; waste oil and water stored in above ground tanks prior to being transported off-site to OCD approved facilities. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 250 feet with an estimated total dissolved solids concentration of approximately 1700 mg/L. The discharge plan addresses how oilfield products and wastes will be properly handled, stored, and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water.

(GW-255) - TEPPCO NGL Pipelines, LLC, Deodat Bhagwandin, P.E., Manager, Environmental Management Systems, P.O. Box 2521, Houston, Texas 77252-2521, has submitted an application for renewal of their previously approved discharge plan for the TEPPCO Buena Vista Compressor Station located in the NW/4 NE/4 of Section 13, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico. The natural gas compressor station currently has a total combined horsepower rating of 5,300 HP. The discharge plan consists of natural gas products; waste oil and water stored in above ground tanks prior to being transported off-site to OCD approved facilities. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 30 feet with an estimated total dissolved solids concentration of approximately 1100 mg/L. The discharge plan addresses how oilfield products and wastes will be properly handled, stored, and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water.

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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 and draft discharge permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. The draft discharge permit may also be viewed at OCD's web site www.emnrd.state.nm.us/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 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 22nd day of September 2006.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

MARK FESMIRE, Director

Legal No. 54365 published in The Daily Times, Farmington, New Mexico on Wednesday, October 25, 2006

AFFIDAVIT OF SUBMITTED LETTERS

L. Kristine Aparicio, being duly sworn says: That she is the Program Manager of Environmental Plans & Regulatory Affairs of EPCO, Inc., which is a shared service of TEPPCO, headquartered in Houston, Harris County, Texas and that the attached letters were sent to the landowners for the following facilities in San Juan County New Mexico: TEPPCO Val Verde Buena Vista Compressor Station and TEPPCO Val Verde Quinn Compressor Station in compliance with New Mexico Administrative Code 20.6.2.3108 PUBLIC NOTICE AND PARTICIPATION.

L. Kristine Aparicio

On Dec. 7, 2006, L. Kristine Aparicio appeared before me, whom I personally know to be the person who signed the above document.

NOTARY PUBLIC STATE OF TEXAS
BRENDA MENDEZ
Notary Public, State of Texas
My Commission Expires 08/30/2007

Brenda Mendez

My commission expires: 8-30-07

Chavez, Carl J, EMNRD

From: Chavez, Carl J, EMNRD
Sent: Wednesday, December 27, 2006 1:43 PM
To: 'Aparicio, Linda K.'
Cc: Price, Wayne, EMNRD
Subject: TEPPCO Compressor Station Discharge Plan Permit Renewal

Linda:

I am writing to determine the status of the recent discharge plan (DP) renewals for the following TEPPCO facilities:

1) GW-239 Quinn Compressor Station
2) GW-255 Buena Vista Compressor Station
3) GW-258 Cedar Hill Compressor Station

According to my records, two OCD signed DPs per facility were mailed to TEPPCO for final signature and payment. Could you please tell me the status of the DPs and when the OCD will receive signed versions with final payments. Thank you.

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
Office: (505) 476-3491
Fax: (505) 476-3462
E-mail: CarlJ.Chavez@state.nm.us
Website: http://www.emnrd.state.nm.us/ocd/
(Pollution Prevention Guidance is under "Publications")

TEPPCO

2006 OCT 26 PM 1 08

P.O. Box 2521
Houston, Texas 77252-2521
Office 713/759-3636
Facsimile 713/759-3783

October 24, 2006

CERTIFIED MAIL NO.:
7006 0810 0002 1196 2182
CETURN RECEIPT REQUESTED

Mr. Carl Chavez, CHMM
New Mexico Energy, Minerals, & Natural Resources Department
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: TEPPCO NGL Pipelines, LLC
TEPPCO Val Verde Buena Vista Compressor Station
TEPPCO Val Verde Cedar Hill Compressor Station
TEPPCO Val Verde Quinn Compressor Station
Groundwater Discharge Plans & Permits
Agreement with the Draft Permits and Submission of Fees

Dear Mr. Chavez:

TEPPCO NGL Pipelines, LLC ("TEPPCO") respectfully informs the Environmental Bureau of the Oil Conservation Division that TEPPCO has reviewed the draft groundwater discharge permits and is in concurrence.

Also, enclosed are the flowing checks in the following amounts for the permitting fees for each of the three (3) compressor station discharge permits:

Compressor Station Name	Check No.	Amount
Buena Vista GW-255	0200443178	$1700.00
Cedar Hill GW-258	0200443179	$1700.00
Quinn GW-239	0200443180	$1700.00

If you have any comments or questions, please contact me at 713-803-8358.

Sincerely,

L. Kristine Aparicio

L. Kristine Aparicio
Program Manager Environmental Plans
& Regulatory Affairs

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 10/12/06

or cash received on _____ in the amount of $ 1700 00

from Teppco

for GW-239 Quinn

Submitted by: Lawrence Romero Date: 10/27/06

Submitted to ASD by: Lawrence Romero Date: 10/27/06

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 _____

VERIFY THE AUTHENTICITY OF THIS MULTI-TONE SECURITY DOCUMENT. CHECK BACKGROUND AREA CHANGES COLOR GRADUALLY FROM TOP TO BOTTOM.

TEPPCO

TEPPCO GP, Inc.
P O Box 2521
Houston, TX 77252-2521
(713) 759-3800

Wells Fargo Bank, N.A.
56-382
412

Date: 10/12/2006
Check #: [redacted]

Amount
$*****1,700.00
VOID AFTER 90 DAYS

PAY **One Thousand Seven Hundred and 00/100-US Dollars **

PAY TO THE ORDER OF NEW MEXICO ENVIRNMENTAL DIVISION
WATER QUALITY MANAGEMENT FUND

IN SERVICE

Vice President and Chief Financial Officer

GW-239 [redacted]

TEPPCO GP, Inc.
P O Box 2521
Houston, TX 77252-2521
(713) 759-3800

Date: 10/12/2006
Check #: [redacted]
Amount Paid: $1,700.00

16 100-000043 0610 1

NEW MEXICO ENVIRNMENTAL DIVISION
WATER QUALITY MANAGEMENT FUND
NM OIL CONSERVATION DISTRICT
1220 SOUTH ST FRANCIS DRIVE
SANTA FE, NM 87504

Vendor #: 856000565

Date	PO #	Invoice #	Description	Invoice Amt	Discount	Net Amt
10/11/2006		101106170000B	RT TO BRENDA MENDEZ RM 260 WATER PRM GW-239	1,700.00	.00	1,700.00

Please contact our AP Hotline at 713-759-3800, Option 5, to get more information on how your company can be setup to receive payment electronically via ACH.

PLEASE DETACH BEFORE DEPOSITING CHECK

Chavez, Carl J, EMNRD

From: Aparicio, Linda K. [LKAparicio@teppco.com]
Sent: Wednesday, September 20, 2006 9:48 AM
To: Chavez, Carl J, EMNRD
Subject: RE: HP ratings at GW-255, 258 & 259?

Carl, if you need anything else, please let me know.

Buena Vista:
Unit 1 – 2650 HP
Unit 2 – 2650 HP

Cedar Hill:
Unit 1 – 2650 HP
Unit 2 – 2650 HP
Unit 3 – 2650 HP
Unit 4 – 2650 HP

Quinn:
Unit 1 – 3200 HP – (Engine no longer at site but still in air permit).

From: Chavez, Carl J, EMNRD [mailto:CarlJ.Chavez@state.nm.us]
Sent: Wednesday, September 20, 2006 9:35 AM
To: Aparicio, Linda K.
Subject: HP ratings at GW-255, 258 & 259?

Christine:

Can you please provide me with the HP ratings at the above compressor stations? Thank you.

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
Office: (505) 476-3491
Fax: (505) 476-3462
E-mail: CarlJ.Chavez@state.nm.us
Website: http://www.emnrd.state.nm.us/ocd/
(Pollution Prevention Guidance is under "Publications")

TEPPCO

P.O. Box 2521
Houston, Texas 77252-2521
(713) 381-3636
Fax: (713) 759-3726

September 7, 2006

SENT VIA FED-EX NEXT DAY

Mr. Wayne Price
New Mexico Energy, Minerals & Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: TEPPCO NGL Pipelines, LLC
TEPPCO Quinn Compressor Station
San Juan County, New Mexico
Groundwater Discharge Plan (GW-239) Renewal Application

Dear Mr. Price:

TEPPCO NGL Pipelines, LLC ("TEPPCO") is submitting the enclosed Discharge Plan Application (Attachment 1) for its TEPPCO Quinn Compressor Station in San Juan County, New Mexico. Enclosed with the discharge plan renewal is TEPPCO Check No. **0200441643** (Attachment 4) in the amount of **$100.00** for the application filing fee. The permit fee in the amount of $1,700 will be paid once the application is approved.

As mentioned in previous permit renewal applications submitted by the former operator, Duke Energy Field Services ("DEFS"), TEPPCO does not believe that a discharge plan is required for this facility under the Water Quality Control Commission ("WQCC") regulations because there are no discharges from the TEPPCO Quinn Compressor Station.

Notwithstanding the submittal of the enclosed permit fees and documents, TEPPCO does not waive its right to question or dispute the need and/or requirement for this permit at the referenced facility or other Val Verde facilities.

If you have any questions or require additional information, please contact Peter Cain at (713) 284-5213 or myself at (713) 803-8789.

Sincerely,

Deodat Bhagwandin, P.E.
Manager, Environmental Management Systems

TEPPCO GP, Inc.
P O Box 2521
Houston, TX 77252-2521
(713) 759-3800

Date: 09/01/2006
Check #: 0200441643
Amount Paid: $100.00

01 100-000037 0609 1

NEW MEXICO ENVIRNMENTAL DIVISION
WATER QUALITY MANAGEMENT FUND
NM OIL CONSERVATION DISTRICT
1220 SOUTH ST FRANCIS DRIVE
SANTA FE, NM 87504

Vendor #: 856000565

Date	PO #	Invoice #	Description	Invoice Amt	Discount	Net Amt
08/30/2006		08300610000	QUINN COMPR STATION GROUND WATER DIS	100.00	.00	100.00

Please contact our AP Hotline at 713-759-3800, Option 5, to get more information on how your company can be setup to receive payment electronically via ACH.

PLEASE DETACH BEFORE DEPOSITING CHECK

VERIFY THE AUTHENTICITY OF THIS MULTI-TONE SECURITY DOCUMENT. CHECK BACKGROUND AREA CHANGES COLOR GRADUALLY FROM TOP TO BOTTOM.

TEPPCO

TEPPCO GP, Inc.
P O Box 2521
Houston, TX 77252-2521
(713) 759-3800

Wells Fargo Bank, N.A.

56-382
412

Date: 09/01/2006
Check #: 0200441643

Amount
$*******100.00
VOID AFTER 90 DAYS

PAY **One Hundred and 00/100-US Dollars **

PAY TO THE ORDER OF NEW MEXICO ENVIRNMENTAL DIVISION
WATER QUALITY MANAGEMENT FUND

Vice President and Chief Financial Officer

⑈0200441643⑈ ⑆041203824⑆9600112304⑈

THE ORIGINAL DOCUMENT HAS A REFLECTIVE WATERMARK ON THE BACK. HOLD AT AN ANGLE TO VIEW WHEN CHECKING THE ENDORSEMENT

TEPPCO NGL Pipelines, LLC
TEPPCO Quinn Compressor Station
Groundwater Discharge Plan Renewal Application

Attachment 1
Discharge Plan Application

September 7, 2006

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Revised June 10, 2003

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,GAS PLANTS, REFINERIES, COMPRESSOR, GEOTHERMAL FACILITES AND CRUDE OIL PUMP STATIONS

(Refer to the OCD Guidelines for assistance in completing the application)

☐ New ☒ Renewal ☐ Modification

1. Type: TEPPCO Quinn Compressor Station
2. Operator: TEPPCO NGL Pipelines, LLC

   Address: PO Box 2521, Houston, Texas 77252-2521

   Contact Person: L. Kristine Aparicio Phone: 713-880-6550
3. Location: NW /4 SW /4 Section 16 Township 31N Range 8W
   Submit large scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

14. CERTIFICATIONI hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Deodat Bhagwandin, P.E. Title: Manager, Environmental Management Systems

Signature: [signature] Date: 9/7/2006

E-mail Address: dpbhagwandin@teppco.com

Quinn Compressor Station
NW/4, SW/4 of Section 16, Township 31N, Range 8W
San Juan County, New Mexico

GROUNDWATER DISCHARGE PLAN

This document constitutes a renewal application for the Groundwater Discharge Plan for the Quinn Compressor Station in San Juan County, New Mexico. This Groundwater Discharge Plan has been prepared in accordance with the NMOCD "Guidelines for the Preparation of Discharge Plans at Natural Gas Plants, Refineries, Compressor and Crude Oil Pump Stations" (rev. 12-95) and the New Mexico Water Quality Control Commission ("WQCC") regulations, 20.6.2.3-104 and 3-106 NMAC.

1 Type of Operation

The facility does not intend or have a discharge or discharges that may move directly or indirectly into groundwater.

2 Operator / Legally Responsible Party

Operator
TEPPCO NGL Pipelines, LLC
PO Box 2521
Houston, Texas 77252-2521
(713) 759-3636
Contact Person: L. Kristine Aparicio

Owner
Val Verde Gas Gathering Company, LP
PO Box 2521
Houston, Texas 77252-2521

3 Facility Location

NW/4, SW/4 of Section 16, Township 31N, Range 8W

4 Landowner

TEPPCO NGL Pipelines, LLC
PO Box 2521
Houston, Texas 77252-2521

State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

5 Facility Description

The facility provides natural gas compression for the gathering system.

6 Materials Stored or Used

There are no materials stored on-site or used that are discharged on site so that they may move directly or indirectly into groundwater.

7 Sources and Quantities of Effluent and Waste Solids

There are no effluents or waste solids that are discharged on-site or off-site at the TEPPCO Quinn Compressor Station. All effluent and waste solids generated at the facility are removed from the facility for off-site disposal in accordance with applicable NMOCD, New Mexico Environmental Department ("NMED"), and EPA regulations as stated in previous groundwater discharge plans.

Separators/Scrubbers
Effluents or waste solids generated from separators or scrubbers are not discharged on site so that they may move directly or indirectly into groundwater.

Boilers and Cooling Towers/Fans
There are no boilers or cooling towers/fans at the facility.

Process and Storage Equipment Wash Down
Effluent or waste solids generated from process and storage equipment wash down are not discharged on site so that they may move directly or indirectly into groundwater.

Solvents/Degreasers
Solvent or degreasers are not discharged on site so that they may move directly or indirectly into groundwater.

Spent Acids/Caustics
If generated, spent acids or caustics are not discharged on site so that they may move directly or indirectly into groundwater.

Used Engine Coolants
Engine coolants are not discharged on site so that they move directly or indirectly into groundwater.

Waste Lubrication and Motor Oils
Lubricating and motor oils are not discharged on site so that they may move directly or indirectly into groundwater.

Used Oil Filters
Used oil filters are not discharged on site so that they may move directly or indirectly into groundwater.

Solids and Sludges
Solids and sludges are not discharged on site so that they may move directly or indirectly into groundwater

Painting Wastes
Painting wastes are not discharged on site so that they may move directly or indirectly into groundwater

Sewage
There are no restroom facilities at the facility. A portable toilet is kept on site.

Lab Wastes
Lab wastes are not generated at the facility.

Other Liquids and Solid Wastes
Other liquids and solid wastes are not discharged on site so that they may move directly or indirectly into groundwater.

8 Liquid and Solid Waste Collection / Storage / Disposal

Collection / Storage
All liquid and solid wastes are collected and stored in closed containers for off-site disposal.

On-site Disposal
There are no on-site disposal activities at the facility

Off-site Disposal
All liquid and solid wastes are disposed off site.

9 Proposed Modifications

No modifications are proposed at this time.

10 Inspection, Maintenance, and Reporting

Routine inspections and maintenance are performed to ensure proper collection, storage, and off-site disposal of all wastes generated at the facility.

11 Spill / Leak Prevention and Reporting (Contingency Plans)

TEPPCO will respond to and report spills as outlined in the TEPPCO SPCC plan for TEPPCO Quinn Compressor Station and in accordance with the requirements of NMOCD Rule 116 (19.15.C.116) and WQCC regulation (20.6.2.1203 NMAC)

12 Site characteristics

Geological/hydrological information for this facility has not changed since the previous renewal application.

Hydrologic Features

There are no known domestic water supplies or surface water bodies within one mile of Quinn Compressor Station.

Cathodic well data in the area indicates the depth to groundwater to be greater than 250 feet.

Based on a review of the topographic map for the area, groundwater flow direction is likely to be to the southwest.

Geologic Description

The aquifer most likely to be affected by a discharge in this area is the San Jose formation. Total Dissolved Solids (TDS) of water from this formation is estimated to have an average greater than 1700 mg/l.

The geotechnical profile at the site is comprised of clay with varying amounts of sand, overlying formational sandstone to the total depth of the borings.

TEPPCO Quinn Compressor Station lies at more than 6,000 feet above seal level This area is not typically subject to flooding, therefore special flood protection measures are not needed.

13 Additional Information

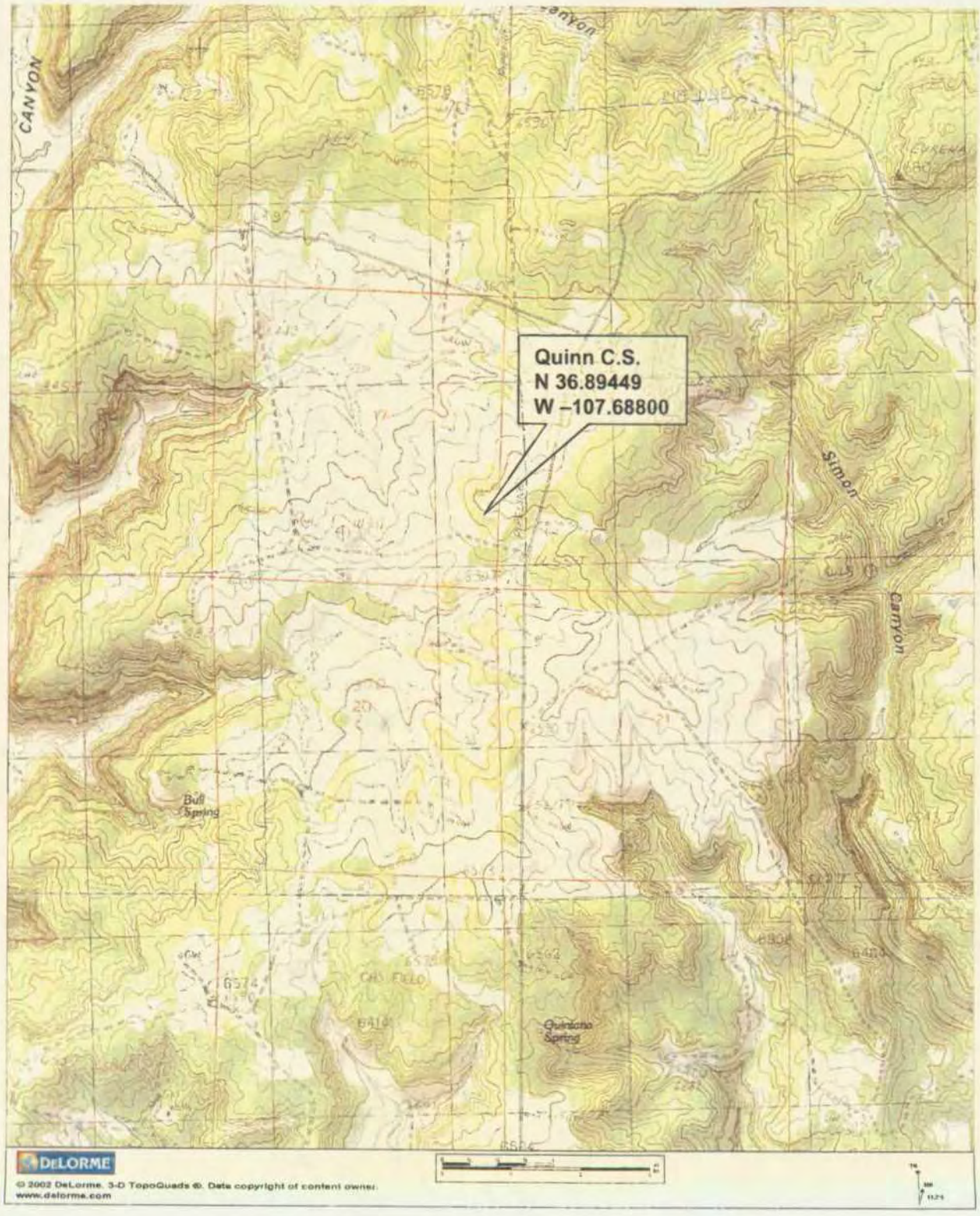
Any unauthorized releases or discharge will be reported to the NMOCD in accordance with NMOCD Rule 116, 19.15.C.116 NMAC, and WQCC regulation, 20.6.2.1203.

TEPPCO NGL Pipelines, LLC
TEPPCO Quinn Compressor Station
Groundwater Discharge Plan Renewal Application

Attachment 2
Site Location Map
USGS Topographic Map
Anastacio Spring Quad

September 7, 2006

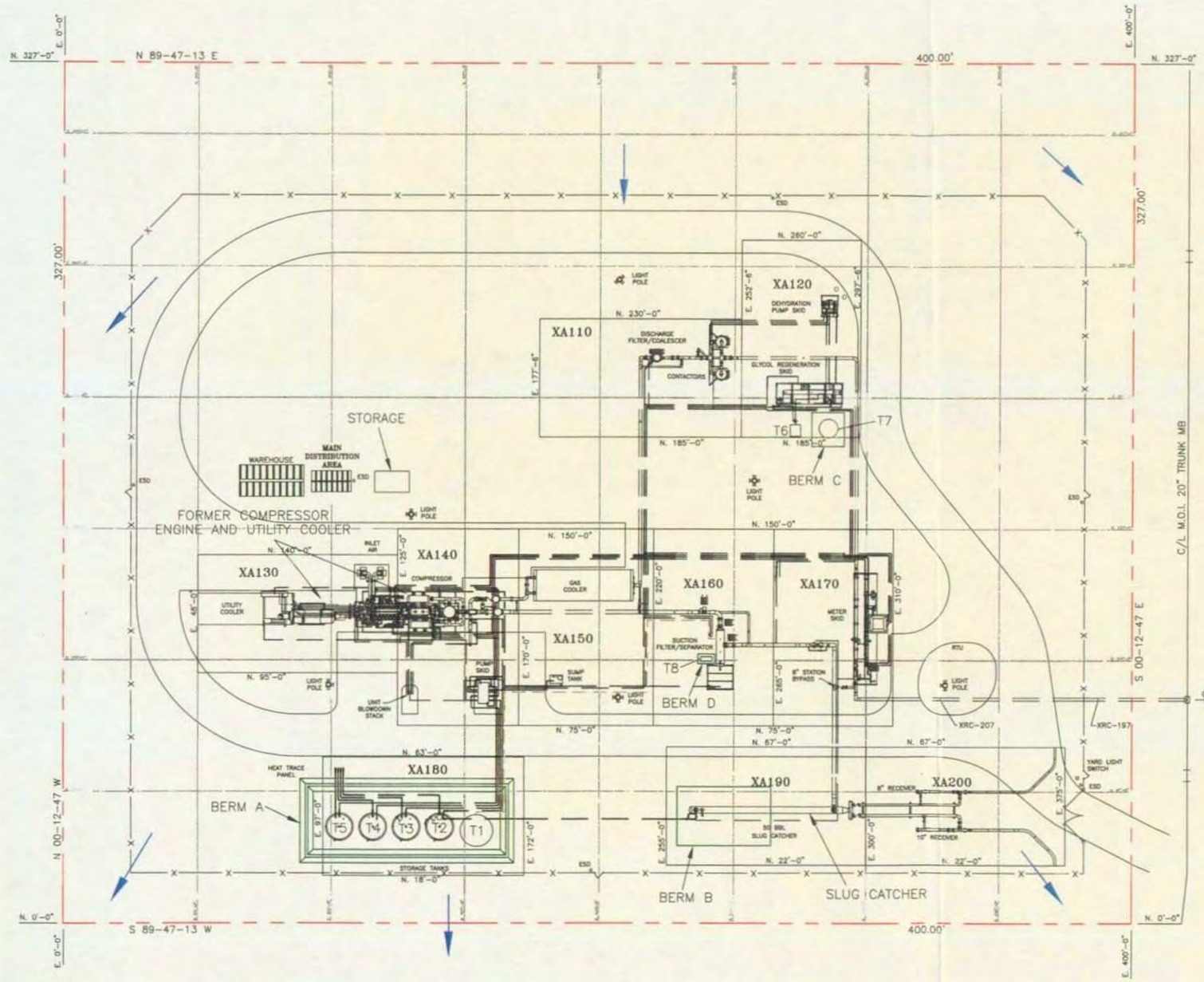
6.3 Site Location



TEPPCO NGL Pipelines, LLC
TEPPCO Quinn Compressor Station
Groundwater Discharge Plan Renewal Application

Attachment 3
Facility Plot Plan

September 7, 2006



LEGEND:

- FENCE
- APPROXIMATE PROPERTY BOUNDARY
- OIL CONTAINING PIPE
- SURFACE WATER DRAINAGE DIRECTION
- SECONDARY CONTAINMENT BERM

N
W E
S
PLANT NORTH

Oil Storage Containers

AMS Name	Field Name	Contents Description	Capacity
None	T1	Produced Water	500 bbl
None	T3	New Oil	50 bbl
None	T4	Used Oil	100 bbl
None	T7	Dehy Drip	15 bbl
None	T8	Naptha	55 gal

Process Equipment Containing Oils

AMS Name	Field Name	Contents Description	Capacity
None	Inlet Filter Separator	Produced Water	317 gal
None	Slug Catcher	Produced Water	50 bbl
None	Sump	Wastewater, Used Oil	640 gal

Non-Oil Storage Containers

AMS Name	Field Name	Contents Description
None	T4	Fresh Water
None	T5	Glycol
None	T6	TEG

NOT TO SCALE

Note: This drawing is based on a field sketch and depicts the location and contents of each oil containing container, equipment, and piping (as required by 40 CFR 112.7(3)). This drawing should only be used for Spill Prevention Control and Countermeasure Plan(SPCC) purposes. As drawing is not to scale, actual containers, equipment, or piping may vary in size and position from those represented here.

SPCC PLOT PLAN

REV	DATE	REVISION	BY	CHK'D	ENGR.	ENGR. MGR.
0	09/15/03	DRAWN FROM MERIDIAN OIL DRAWING AND FIELD NOTES	P.M.W.	B.R.		

REV	DATE	REVISION	BY	CHK'D	ENGR.	ENGR. MGR.

QUINN COMPRESSOR STATION
VAL VERDE GATHERING SYSTEM

San Juan County
NEW MEXICO

DWG. NAME: Quinn_Compressor_Station_SPCC_Plan.dwg

TEPPCO NGL Pipelines, LLC
TEPPCO Quinn Compressor Station
Groundwater Discharge Plan Renewal Application

Attachment 4
TEPPCO Check No 0200441643

September 7, 2006

P.O. Box 2521
Houston, Texas 77252-2521
Office 713/759-3636
Facsimile 713/759-3783

September 7, 2006

SENT VIA FED-EX NEXT DAY

Mr. Wayne Price
New Mexico Energy, Minerals & Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: TEPPCO NGL Pipelines, LLC
TEPPCO Quinn Compressor Station
San Juan County, New Mexico
Groundwater Discharge Plan (GW-259) Renewal Application

Dear Mr. Price:

TEPPCO NGL Pipelines, LLC ("TEPPCO") is submitting the enclosed Discharge Plan Application (Attachment 1) for its TEPPCO Quinn Compressor Station in San Juan County, New Mexico. Enclosed with the discharge plan renewal is TEPPCO Check No. **0200441643** (Attachment 4) in the amount of **$100.00** for the application filing fee. The permit fee in the amount of $1,700 will be paid once the application is approved.

As mentioned in previous permit renewal applications submitted by the former operator, Duke Energy Field Services ("DEFS"), TEPPCO does not believe that a discharge plan is required for this facility under the Water Quality Control Commission ("WQCC") regulations because there are no discharges from the TEPPCO Quinn Compressor Station.

Notwithstanding the submittal of the enclosed permit fees and documents, TEPPCO does not waive its right to question or dispute the need and/or requirement for this permit at the referenced facility or other Val Verde facilities.

If you have any questions or require additional information, please contact Peter Cain at (713) 284-5213 or myself at (713) 803-8789.

Sincerely,

Deodat Bhagwandin, P.E.
Manager, Environmental Management Systems

TEPPCO
TEPPCO GP, Inc.
P O Box 2521
Houston, TX 77252-2521
(713) 759-3800

Date: 09/01/2006
Check #: 0200441643
Amount Paid: $100.00

01 100-000037 0609 1

NEW MEXICO ENVIRNMENTAL DIVISION
WATER QUALITY MANAGEMENT FUND
NM OIL CONSERVATION DISTRICT
1220 SOUTH ST FRANCIS DRIVE
SANTA FE, NM 87504

Vendor #: 856000565

Date	PO #	Invoice #	Description	Invoice Amt	Discount	Net Amt
08/30/2006		08300610000	QUINN COMPR STATION GROUND WATER DIS	100.00	.00	100.00

Please contact our AP Hotline at 713-759-3800, Option 5, to get more information on how your company can be setup to receive payment electronically via ACH.

PLEASE DETACH BEFORE DEPOSITING CHECK

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 9/1/06

or cash received on _____ in the amount of $ 100.00

from Teppco GP, Inc

for GW-259 (239)

Submitted by: Lawrence Romero Date: 9/13/06

Submitted to ASD by: Lawrence Romero Date: 9/13/06

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 _____

VERIFY THE AUTHENTICITY OF THIS MULTI-TONE SECURITY DOCUMENT. CHECK BACKGROUND AREA CHANGES COLOR GRADUALLY FROM TOP TO BOTTOM.

TEPPCO

TEPPCO GP, Inc.
P O Box 2521
Houston, TX 77252-2521
(713) 759-3800

Wells Fargo Bank, N.A.
56-382
412

Date: 09/01/2006
Check #: [redacted]

Amount
$*******100.00
VOID AFTER 90 DAYS

PAY **One Hundred and 00/100-US Dollars **

PAY TO THE ORDER OF NEW MEXICO ENVIRNMENTAL DIVISION
WATER QUALITY MANAGEMENT FUND

GW-259

Vice President and Chief Financial Officer

[redacted]

Price, Wayne

From: Daniel I. Dick [didick@duke-energy.com]
Sent: Tuesday, March 11, 2003 3:47 PM
To: Price, Wayne
Subject: Re: Duke Quinn Compressor Station GW-239 Landfarm

quinn landfarm photo 2.jpg quinn landfarm photo 1.jpg

Wayne -

Thank you for your approval of the Quinn Compressor Station landfarm closure. As an addendum to the 1/15/03 DEFS closure notification letter, please find attached two photos. DEFS field operators have been instructed they may use resulting clean soils as needed at our facility.

Regards,

Daniel Dick
Environmental Assurance
Duke Energy Field Services

Tel: 303-605-1893
Fax:303-389-1957

(See attached file: quinn landfarm photo 2.jpg)(See attached file: quinn landfarm photo 1.jpg)

"Price, Wayne" <WPrice@state.nm.us> 03/10/2003 15:35

To: "Daniel Dick (E-mail)" <didick@duke-energy.com>
cc: "Foust, Denny" <DFOUST@state.nm.us>
Subject: Duke Quinn Compressor Station GW-239 Landfarm

The OCD is in receipt of Dukes request to close the landfill at the Quinn compressor station. OCD hereby approves of your request. Please send a photo for our files.

Please be advised that NMOCD approval of this plan does not relieve Duke Energy of liability should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve Duke Energy of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

Sincerely:

<<...OLE_Obj...>>
Wayne Price
New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505
505-476-3487
fax: 505-476-3462
E-mail: WPRICE@state.nm.us

Price, Wayne

From: Price, Wayne
Sent: Monday, March 10, 2003 3:35 PM
To: Daniel Dick (E-mail)
Cc: Foust, Denny
Subject: Duke Quinn Compressor Station GW-239 Landfarm

The OCD is in receipt of Dukes request to close the landfill at the Quinn compressor station. OCD hereby approves of your request. Please send a photo for our files.

Please be advised that NMOCD approval of this plan does not relieve Duke Energy of liability should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve Duke Energy of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

Sincerely:

Wayne Price
New Mexico Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505
505-476-3487
fax: 505-476-3462
E-mail: WPRICE@state.nm.us

Duke Energy®
Field Services

370 17th Street, Suite 900
Denver, Colorado 80202
303-595-3331 – main
303-389-1957 – fax

Mr. Roger Anderson

New Mexico Energy, Minerals
& Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

January 15, 2003

Re: Former Burlington Resources Landfarm at Quinn Compressor Station, NM
(Petroleum Hydrocarbon Contaminated Soils from Rattlesnake Compressor Station)

Mr. Anderson,

According to Duke Energy Field Services' records, a closure notification is required for the above-referenced landfarm. Following the purchase of the Quinn Compressor Station, DEFS purposed to have the landfarm closed out if sampling results warranted. Recent sampling provided non-detect results at the Quinn landfarm.

Please accept as formal closure notification the attached DEFS memorandum and results from the analysis laboratory. If you require additional information, I may be reached at 303-605-1893 or via e-mail: didick@duke-energy.com.

Sincerely,

Duke Energy Field Services

Daniel Dick
Environmental Assurance

CC: Mike Lee, Field Supervisor
Blair Armstrong, Plant Supervisor
Jack Braun, Environmental Protection

Duke Energy®
Field Services

370 17th Street, Suite 900
Denver, Colorado 80202
303-595-3331 – main
303-389-1957 – fax

Memorandum

Date: **01/15/2003**

To: Mike Lee, Field Supervisor

From: Daniel Dick, Environmental Assurance

Subject: **Landfarm at Quinn Compressor Station**

MESSAGE:

Mike,

As you may recall, an 80' x 100' landfarm is located on the North-West side of the Quinn Compressor Station. This landfarm contained petroleum hydrocarbon impacted soils from a leaking wastewater AST at the Rattlesnake Compressor Station (not a DEFS facility).

DEFS took four composite samples and one grab sample at the landfarm on December 26, 2002. The samples were analyzed by **iiná bá**, an OCD-certified laboratory in Farmington, NM. Analyses for Diesel and Gasoline Range Organics (SW8015B) and Volatiles (SW8021B) were non-detect for all five samples. The results are attached for your Environmental Compliance files. Please file under section 4.1.5.

The soils may now be used as clean fill, secondary containment construction or simply re-graded at your discretion. Any future on-site disposal of waste is prohibited at this location without prior approval from the Vice-President of EHS.

A separate notification has been sent to New Mexico OCD, Attention Mr. Roger Anderson, with analytical results confirming closure.

CC: Blair Armstrong, Plant Supervisor
Jack Braun, Environmental Protection

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072

iiná bá

P.O. Box 2606
Farmington, NM 87499

Fax: (505) 327-1496

January 08, 2003

Daniel Dick
Duke Energy Field Service
370 17th St., Suite 900
Denver, CO 80202

TEL:
FAX (303)389-1957

RE: Quinn Compressor Station

Order No.: 0212024

Dear Daniel Dick:

iina ba, Ltd. received 5 samples on 12/26/2002 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

David Cox

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072

iina ba

P.O. Box 2606
Farmington, NM 87499

Fax: (505) 327-1496

iina ba, Ltd.

Date: *08-Jan-03*

CLIENT: Duke Energy Field Service
Project: Quinn Compressor Station
Lab Order: 0212024

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s) or the quality control summary report(s).

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072

•iiná bá•

P.O. Box 2606
Farmington, NM 87499

Fax: (505) 327-1496

Date: *08-Jan-03*

CLIENT:	Duke Energy Field Service	**Client Sample Info:**	Landfarm Composite
Work Order:	0212024	**Client Sample ID:**	Center 1
Project:	Quinn Compressor Station	**Collection Date:**	12/26/2002 1:03:00 PM
Lab ID:	0212024-001A	**Matrix:**	SOIL

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		**SW8015B**				Analyst: **JEM**
T/R Hydrocarbons: C10-C28	ND	25.0		mg/Kg	1	1/7/2003
GASOLINE RANGE ORGANICS		**SW8015B**				Analyst: **JEM**
T/R Hydrocarbons: C6-C10	ND	4.50		mg/Kg	25	12/30/2002
AROMATIC VOLATILES BY GC/PID		**SW8021B**				Analyst: **JEM**
Benzene	ND	25		µg/Kg	25	1/2/2003
Ethylbenzene	ND	25		µg/Kg	25	1/2/2003
m,p-Xylene	ND	50		µg/Kg	25	1/2/2003
o-Xylene	ND	25		µg/Kg	25	1/2/2003
Toluene	ND	50		µg/Kg	25	1/2/2003

Qualifiers:

ND - Not Detected at the Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above Upper Quantitation Limit - UQL

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072

•iiná bá•

P.O. Box 2606
Farmington, NM 87499

Fax: (505) 327-1496

Date: *08-Jan-03*

CLIENT:	Duke Energy Field Service	**Client Sample Info:**	Landfarm Composite
Work Order:	0212024	**Client Sample ID:**	Center 2
Project:	Quinn Compressor Station	**Collection Date:**	12/26/2002 1:05:00 PM
Lab ID:	0212024-002A	**Matrix:**	SOIL

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		**SW8015B**				Analyst: **JEM**
T/R Hydrocarbons: C10-C28	ND	25.0		mg/Kg	1	1/7/2003
GASOLINE RANGE ORGANICS		**SW8015B**				Analyst: **JEM**
T/R Hydrocarbons: C6-C10	ND	4.50		mg/Kg	25	12/30/2002
AROMATIC VOLATILES BY GC/PID		**SW8021B**				Analyst: **JEM**
Benzene	ND	25		µg/Kg	25	1/2/2003
Ethylbenzene	ND	25		µg/Kg	25	1/2/2003
m,p-Xylene	ND	50		µg/Kg	25	1/2/2003
o-Xylene	ND	25		µg/Kg	25	1/2/2003
Toluene	ND	50		µg/Kg	25	1/2/2003

Qualifiers:

ND - Not Detected at the Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

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E - Value above Upper Quantitation Limit - UQL

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072

•iiná bá•

P.O. Box 2606
Farmington, NM 87499

Fax: (505) 327-1496

Date: *08-Jan-03*

CLIENT:	Duke Energy Field Service	**Client Sample Info:**	Landfarm Composite
Work Order:	0212024	**Client Sample ID:**	NW #1
Project:	Quinn Compressor Station	**Collection Date:**	12/26/2002 1:12:00 PM
Lab ID:	0212024-003A	**Matrix:**	SOIL

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		**SW8015B**				Analyst: **JEM**
T/R Hydrocarbons: C10-C28	ND	25.0		mg/Kg	1	1/7/2003
GASOLINE RANGE ORGANICS		**SW8015B**				Analyst: **JEM**
T/R Hydrocarbons: C6-C10	ND	4.50		mg/Kg	25	12/30/2002
AROMATIC VOLATILES BY GC/PID		**SW8021B**				Analyst: **JEM**
Benzene	ND	25		µg/Kg	25	1/2/2003
Ethylbenzene	ND	25		µg/Kg	25	1/2/2003
m,p-Xylene	ND	50		µg/Kg	25	1/2/2003
o-Xylene	ND	25		µg/Kg	25	1/2/2003
Toluene	ND	50		µg/Kg	25	1/2/2003

Qualifiers:

ND - Not Detected at the Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above Upper Quantitation Limit - UQL

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072

•iiná bá•

P.O. Box 2606
Farmington, NM 87499

Fax: (505) 327-1496

Date: *08-Jan-03*

CLIENT:	Duke Energy Field Service	**Client Sample Info:**	Landfarm Composite
Work Order:	0212024	**Client Sample ID:**	NW #2
Project:	Quinn Compressor Station	**Collection Date:**	12/26/2002 1:13:00 PM
Lab ID:	0212024-004A	**Matrix:**	SOIL

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		**SW8015B**				Analyst: **JEM**
T/R Hydrocarbons: C10-C28	ND	25.0		mg/Kg	1	1/7/2003
GASOLINE RANGE ORGANICS		**SW8015B**				Analyst: **JEM**
T/R Hydrocarbons: C6-C10	ND	4.50		mg/Kg	25	12/30/2002
AROMATIC VOLATILES BY GC/PID		**SW8021B**				Analyst: **JEM**
Benzene	ND	25		µg/Kg	25	1/2/2003
Ethylbenzene	ND	25		µg/Kg	25	1/2/2003
m,p-Xylene	ND	50		µg/Kg	25	1/2/2003
o-Xylene	ND	25		µg/Kg	25	1/2/2003
Toluene	ND	50		µg/Kg	25	1/2/2003

Qualifiers:

ND - Not Detected at the Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above Upper Quantitation Limit - UQL

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072

iiná bá

P.O. Box 2606
Farmington, NM 87499

Fax: (505) 327-1496

Date: *08-Jan-03*

CLIENT:	Duke Energy Field Service	**Client Sample Info:**	Landfarm Grab
Work Order:	0212024	**Client Sample ID:**	SW Grab
Project:	Quinn Compressor Station	**Collection Date:**	12/26/2002 1:15:00 PM
Lab ID:	0212024-005A	**Matrix:**	SOIL

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		**SW8015B**				Analyst: **JEM**
T/R Hydrocarbons: C10-C28	ND	25.0		mg/Kg	1	1/7/2003
GASOLINE RANGE ORGANICS		**SW8015B**				Analyst: **JEM**
T/R Hydrocarbons: C6-C10	ND	4.50		mg/Kg	25	12/30/2002
AROMATIC VOLATILES BY GC/PID		**SW8021B**				Analyst: **JEM**
Benzene	ND	25		µg/Kg	25	1/2/2003
Ethylbenzene	ND	25		µg/Kg	25	1/2/2003
m,p-Xylene	ND	50		µg/Kg	25	1/2/2003
o-Xylene	ND	25		µg/Kg	25	1/2/2003
Toluene	ND	50		µg/Kg	25	1/2/2003

Qualifiers:

ND - Not Detected at the Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above Upper Quantitation Limit - UQL

iina ba, Ltd.

Date: *08-Jan-03*

CLIENT: Duke Energy Field Service
Work Order: 0212024
Project: Quinn Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015DR2_S

Sample ID **MBLK_030107**	SampType: **MBLK**	TestCode: **8015DR2_S**	Units: **mg/Kg**	Prep Date: **1/3/2003**	Run ID: **GC-2_030107A**
Client ID: **ZZZZZ**	Batch ID: **R4197**	TestNo: **SW8015B**		Analysis Date: **1/7/2003**	SeqNo: **61370**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	ND	25.0									

Sample ID **LCS_030107**	SampType: **LCS**	TestCode: **8015DR2_S**	Units: **mg/Kg**	Prep Date: **1/3/2003**	Run ID: **GC-2_030107A**
Client ID: **ZZZZZ**	Batch ID: **R4197**	TestNo: **SW8015B**		Analysis Date: **1/7/2003**	SeqNo: **61371**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	456.7	25.0	501	0	91.2	70	123	0	0		

Sample ID **0212024-001AMS**	SampType: **MS**	TestCode: **8015DR2_S**	Units: **mg/Kg**	Prep Date: **1/3/2003**	Run ID: **GC-2_030107A**
Client ID: **Center 1**	Batch ID: **R4197**	TestNo: **SW8015B**		Analysis Date: **1/7/2003**	SeqNo: **61380**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	451.3	25.0	501	0	90.1	63	135	0	0		

Sample ID **0212024-002AD**	SampType: **DUP**	TestCode: **8015DR2_S**	Units: **mg/Kg**	Prep Date: **1/3/2003**	Run ID: **GC-2_030107A**
Client ID: **Center 2**	Batch ID: **R4197**	TestNo: **SW8015B**		Analysis Date: **1/7/2003**	SeqNo: **61381**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	ND	25.0	0	0	0	0	0	4.519	0	32	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Duke Energy Field Service
Work Order: 0212024
Project: Quinn Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GRO_S

Sample ID	MBLK_021230	SampType:	MBLK	TestCode:	8015GRO_S	Units:	mg/Kg	Prep Date:	12/30/2002	Run ID:	GC-1B_021230A
Client ID:	ZZZZZ	Batch ID:	R4184	TestNo:	SW8015B			Analysis Date:	12/30/2002	SeqNo:	61263

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	ND	4.50									

Sample ID	LCS_021230	SampType:	LCS	TestCode:	8015GRO_S	Units:	mg/Kg	Prep Date:	12/30/2002	Run ID:	GC-1B_021230A
Client ID:	ZZZZZ	Batch ID:	R4184	TestNo:	SW8015B			Analysis Date:	12/30/2002	SeqNo:	61264

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	46.06	4.50	45	0	102	68	123	0	0		

Sample ID	0212024-001AMS	SampType:	MS	TestCode:	8015GRO_S	Units:	mg/Kg	Prep Date:	12/30/2002	Run ID:	GC-1B_021230A
Client ID:	Center 1	Batch ID:	R4184	TestNo:	SW8015B			Analysis Date:	12/30/2002	SeqNo:	61270

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	44.21	4.50	45	0	98.2	74	111	0	0		

Sample ID	0212024-001AMSD	SampType:	MSD	TestCode:	8015GRO_S	Units:	mg/Kg	Prep Date:	12/30/2002	Run ID:	GC-1B_021230A
Client ID:	Center 1	Batch ID:	R4184	TestNo:	SW8015B			Analysis Date:	12/30/2002	SeqNo:	61271

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	43.94	4.50	45	0	97.7	70	112	44.21	0.601	12	

Sample ID	CCV1_021230	SampType:	CCV	TestCode:	8015GRO_S	Units:	mg/Kg	Prep Date:	12/30/2002	Run ID:	GC-1B_021230A
Client ID:	ZZZZZ	Batch ID:	R4184	TestNo:	SW8015B			Analysis Date:	12/30/2002	SeqNo:	61272

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	1.699	0.180	1.8	0	94.4	85	115	0	0		

Sample ID	CCV2_021230	SampType:	CCV	TestCode:	8015GRO_S	Units:	mg/Kg	Prep Date:	12/30/2002	Run ID:	GC-1B_021230A
Client ID:	ZZZZZ	Batch ID:	R4184	TestNo:	SW8015B			Analysis Date:	12/30/2002	SeqNo:	61273

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Duke Energy Field Service
Work Order: 0212024
Project: Quinn Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GRO_S

Sample ID	CCV2_021230	SampType:	CCV	TestCode:	8015GRO_S	Units:	mg/Kg	Prep Date:	12/30/2002	Run ID:	GC-1B_021230A
Client ID:	ZZZZZ	Batch ID:	R4184	TestNo:	SW8015B			Analysis Date:	12/30/2002	SeqNo:	61273

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	1.664	0.180	1.8	0	92.4	85	115	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Duke Energy Field Service
Work Order: 0212024
Project: Quinn Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEX_S

Sample ID MB_030102	SampType: MBLK	TestCode: BTEX_S	Units: µg/Kg	Prep Date:	Run ID: GC-1_030102A
Client ID: ZZZZZ	Batch ID: R4191	TestNo: SW8021B		Analysis Date: 1/2/2003	SeqNo: 61333

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	25									
Ethylbenzene	ND	25									
m,p-Xylene	ND	50									
o-Xylene	ND	25									
Toluene	ND	50									

Sample ID LCS_030102	SampType: LCS	TestCode: BTEX_S	Units: µg/Kg	Prep Date:	Run ID: GC-1_030102A
Client ID: ZZZZZ	Batch ID: R4191	TestNo: SW8021B		Analysis Date: 1/2/2003	SeqNo: 61332

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1506	25	1500	0	100	75	115	0	0		
Ethylbenzene	1568	25	1500	0	105	71	128	0	0		
m,p-Xylene	3053	50	3000	0	102	72	121	0	0		
o-Xylene	1555	25	1500	0	104	73	121	0	0		
Toluene	1520	50	1500	0	101	73	114	0	0		

Sample ID 0212024-001AMS	SampType: MS	TestCode: BTEX_S	Units: µg/Kg	Prep Date:	Run ID: GC-1_030102A
Client ID: Center 1	Batch ID: R4191	TestNo: SW8021B		Analysis Date: 1/2/2003	SeqNo: 61334

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1495	25	1500	0	99.7	80	109	0	0		
Ethylbenzene	1548	25	1500	0	103	86	112	0	0		
m,p-Xylene	3009	50	3000	0	100	88	106	0	0		
o-Xylene	1542	25	1500	0	103	79	114	0	0		
Toluene	1504	50	1500	0	100	79	109	0	0		

Sample ID 0212024-001AMSD	SampType: MSD	TestCode: BTEX_S	Units: µg/Kg	Prep Date:	Run ID: GC-1_030102A
Client ID: Center 1	Batch ID: R4191	TestNo: SW8021B		Analysis Date: 1/2/2003	SeqNo: 61335

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1440	25	1500	0	96	78	106	1495	3.76	8	

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blank

CLIENT: Duke Energy Field Service
Work Order: 0212024
Project: Quinn Compressor Station

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEX_S

Sample ID 0212024-001AMSD	SampType: MSD	TestCode: BTEX_S	Units: µg/Kg	Prep Date:	Run ID: GC-1_030102A
Client ID: Center 1	Batch ID: R4191	TestNo: SW8021B		Analysis Date: 1/2/2003	SeqNo: 61335

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	1495	25	1500	0	99.6	84	110	1548	3.52	8	
m,p-Xylene	2910	50	3000	0	97	79	112	3009	3.32	9	
o-Xylene	1494	25	1500	0	99.6	82	108	1542	3.11	7	
Toluene	1454	50	1500	0	96.9	76	108	1504	3.38	8	

Sample ID CCV1_030102	SampType: CCV	TestCode: BTEX_S	Units: µg/Kg	Prep Date:	Run ID: GC-1_030102A
Client ID: ZZZZZ	Batch ID: R4191	TestNo: SW8021B		Analysis Date: 1/2/2003	SeqNo: 61330

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	60.46	1.0	60	0	101	85	115	0	0		
Ethylbenzene	62.94	1.0	60	0	105	85	115	0	0		
m,p-Xylene	124.6	2.0	120	0	104	85	115	0	0		
o-Xylene	62.48	1.0	60	0	104	85	115	0	0		
Toluene	62.06	2.0	60	0	103	85	115	0	0		

Sample ID CCV2_030102	SampType: CCV	TestCode: BTEX_S	Units: µg/Kg	Prep Date:	Run ID: GC-1_030102A
Client ID: ZZZZZ	Batch ID: R4191	TestNo: SW8021B		Analysis Date: 1/2/2003	SeqNo: 61331

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	61.36	1.0	60	0	102	85	115	0	0		
Ethylbenzene	63.25	1.0	60	0	105	85	115	0	0		
m,p-Xylene	124.5	2.0	120	0	104	85	115	0	0		
o-Xylene	62.66	1.0	60	0	104	85	115	0	0		
Toluene	62.78	2.0	60	0	105	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

iina ba, Ltd.

Date: 08-Jan-03

CLIENT: Duke Energy Field Service
Work Order: 0212024
Project: Quinn Compressor Station
Test No: SW8015B **Matrix:** S

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	OT	TFT
0212024-001A	87.4	85.5
0212024-001AMS	96.7	86.6
0212024-001AMSD		86.2
0212024-002A	93.7	86.2
0212024-002AD	83.0	
0212024-003A	89.1	86.5
0212024-004A	93.5	87.8
0212024-005A	88.7	87.4
CCV1_021230		86.6
CCV2_021230		86.1
LCS_021230		86.2
LCS_030107	99.0	
MBLK_021230		81.4
MBLK_030107	93.3	

Acronym		Surrogate	QC Limits
OT	=	o-Terphenyl	25-165
TFT	=	Trifluorotoluene	73-133

*** Surrogate recovery outside acceptance limits**

1

iina ba, Ltd.

Date: 08-Jan-03

CLIENT: Duke Energy Field Service
Work Order: 0212024
Project: Quinn Compressor Station
Test No: SW8021B **Matrix:** S

QC SUMMARY REPORT
SURROGATE RECOVERIES

Sample ID	14FBZ	4BCBZ	FLBZ
0212024-001A	83.2	87.2	79.9
0212024-001A	82.9	83.9	79.8
0212024-001A	83.1	94.7	80.9
0212024-001AMS	83.2	87.2	79.9
0212024-001AMSD	82.9	83.9	79.8
0212024-002A	84.0	91.5	80.6
0212024-003A	83.9	92.3	80.3
0212024-004A	83.3	87.9	80.7
0212024-005A	84.0	93.4	80.7
CCV1_030102	83.7	91.8	80.8
CCV2_030102	84.1	89.9	79.9
LCS_030102	83.4	87.6	79.9
MB_030102	84.0	93.8	81.1

Acronym		Surrogate	QC Limits
14FBZ	=	1,4-Difluorobenzene	79-109
4BCBZ	=	4-Bromochlorobenzene	55-139
FLBZ	=	Fluorobenzene	78-114

*** Surrogate recovery outside acceptance limits**

1

CHAIN OF CUSTODY RECORD

B 1576

Date: 12/26/2002

Page 1 of 1

iiná bá
(for life's sake)

612 E. Murray Dr. • P. O. Box 2606 • Farmington NM 87499
(505) 327-1072 • FAX: (505) 327-1496

Purchase Order No.: | Job No.

SEND INVOICE TO
Name: DANIEL DICK
Company: DUKE ENERGY | Dept.
Address: 370 17TH ST., SUITE 900
City, State, Zip: DENVER, CO 80202

REPORT RESULTS TO
Name: SAME | Title
Company:
Mailing Address:
City, State, Zip:
Telephone No. | Telefax No.

Sampling Location: QUINN COMPRESSOR STATION (LANDFARM)

Sampler: DD

Number of Containers

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	MATRIX	PRES.	8015 MOD	8021B	LAB ID
CENTER 1	12/26	1:03PM	SOIL		X	X	
CENTER 2	12/26	1:05PM			X	X	
NW 1	12/26	1:12PM			X	X	
NW 2	12/26	1:13PM			X	X	
SUB (GRAB)	12/26	1:14PM			X	X	

Relinquished by: DANIEL DICK	Date/Time 12/26/2:30PM	Received by: Heidi R	Date/Time 12/26/02 1435
Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time

Method of Shipment:

Authorized by: _____ Date 12/26/2002
(Client Signature Must Accompany Request)

Rush	24-48 Hours	10 Working Days	Special Instructions:
		✓	3C

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client

Duke Energy. Field Services
A New Kind of Energy™

Duke Energy Field Services
P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
303/595-3331

OIL CONSERVATION DIV.

02 JUL -5 PM 1:58

July 1, 2002

CERTIFIED MAIL
RETURN RECEIPT

Electronic Delivery July 1, 2002

Mr. Wayne Price
New Mexico Energy, Minerals
& Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Subject: Change in Ownership
Val Verde System

Dear Mr. Price:

On behalf of Val Verde Gas Gathering Company, LP, Duke Energy Field Services, LP (DEFS) is submitting notification of a change in ownership of 14 facilities in Rio Arriba and San Juan Counties, New Mexico. Effective July 1, 2002, Val Verde Gas Gathering Company, LP is the new owner of the facilities identified in the attached list. The attachment lists the facility name, discharge plan number and legal location.

DEFS will be operating the facilities identified in the attached lists. Therefore, DEFS requests the transfer of the discharge plans identified in the attached list to Duke Energy Field Services, LP.

DEFS will comply with the terms and conditions of the previously approved discharge plans submitted by Burlington Resources Gathering, Inc.

If you have any questions regarding this transfer of ownership and/or the discharge plans, please call me at (303) 605-1717.

Sincerely,
Duke Energy Field Services, LP

Karin Char
Environmental Specialist

Attachment

cc: NMOCD District 3 Office (hard copy)
1000 Rio Brazos Road
Aztec, NM 87410

Notification of Change in Ownership
Val Verde System
Effective July 1, 2002

Facility/Project	Plan Number	Location Sec-Twnshp-Range	County / State
Arch Rock Compressor Station	GW-183	14 –T31N – R10W	San Juan / New Mexico
Buena Vista Compressor Station	GW-255	13 – T30N – R9W	San Juan / New Mexico
Cedar Hill Compressor Station	GW-258	29 – T32N – R10W	San Juan / New Mexico
Frances Mesa Compressor Station	GW-194	27 – T30N – R7W	Rio Arriba / New Mexico
Gobernador Compressor Station	GW-056	31 – T30N – R7W	Rio Arriba / New Mexico
Manzanares Compressor Station	GW-059	4 – T29N – R8W	San Juan / New Mexico
Hart Canyon Compressor Station	GW-058	20 – T31N – R10W	San Juan / New Mexico
Middle Mesa Compressor Station	GW-077	10 – T31N – R7W	San Juan / New Mexico
Pump Canyon Compressor Station	GW-057	24 – T30N – R9W	San Juan / New Mexico
Pump Mesa Compressor Station	GW-148	14 – T31N – R8W	San Juan / New Mexico
Quinn Compressor Station	GW-239	16 – T31N – R8W	San Juan / New Mexico
Sandstone Compressor Station	GW-193	32 – T31N – R8W	San Juan / New Mexico
Sims Mesa Compressor Station	GW-146	22 – T30N – R7W	Rio Arriba / New Mexico
Val Verde Gas Handling Facility	GW-51	14 – T29N – R11W	San Juan / New Mexico

Duke Energy®
Field Services

P.O. Box 5493
Denver, Colorado 80217
370 17th Street, Suite 900
Denver, Colorado 80202
Direct: 303-595-3331
Fax: 303-389-1957

October 24, 2002

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

Re: Results of the annual sump integrity inspection program - Val Verde Facilities.

Dear Mr. Price:

The purpose of this correspondence is to provide your office with written notice that Duke Energy Field Services (DEFS) completed the annual sump integrity testing at its Val Verde Area Facilities. I have sent you multiple copies of this letter such that you can file one copy per site.

The below listed facilities have double wall sumps with leak detection between the walls. The following actions were taken at each facility sump:

1. Visually inspect for liquids between the sump walls
2. Pull the leak sensor
3. Place it in water.
4. Check the control panel for a positive indication of a leak
5. Return the leak sensor.
6. Check the control panel to assure a return to a negative reading

These procedures were implemented at each of the inspections, at the facilities below. There were no visual signs of leaks and all equipment functioned correctly.

Facility Name / inspection date	Visual inspection	Electronic Sensor	Facility Name	Visual inspect	Electronic Sensor
Arch Rock 8/20/02	PASS	PASS	Middle Mesa 8/23/02	PASS	PASS
Buena Vista 8/22/02	PASS	PASS	Pump Canyon 8/19/02	PASS	PASS
Cedar Hill 8/21/02	PASS	PASS	Pump Mesa 8/19/02	PASS	PASS
Francis Mesa 8/20/02	PASS	PASS	Sandstone 8/19/02	PASS	PASS
Gobernador 8/20/02	PASS	PASS	Sims Mesa 8/20/02	PASS	PASS
Manzanares 8/20/02	PASS	PASS	Hart 8/20/02	PASS	PASS

The sump at the Quinn Compressor Station is double walled, but there is no leak detection system. A visual inspection of the space between the two sump walls showed no liquid. Additionally, the inner tank was pressured up with nitrogen to three pounds of pressure. The pressure was observed for 30 minutes, with no reduction. It was determined that the Quinn sump was structurally sound.

There are two sumps at the Val Verde Treater. (T-5419 and T8419) These two sumps were cleaned and inspected on August 18, 2002. The sumps are double walled and the secondary containment space was inspected for leaks from the primary tank. This area was found to be dry with no indication of a leak on both sumps. The high level alarm was tested in each sump and found to be operational. The ejection pumps were tested and found to be in good working order on each unit. After inspection, the sumps were cleaned and vacuumed to prevent any solid material from plugging the pumps. The sumps were inspected and photographed. It was determined that the two Val Verde sumps were structurally sound.

This completes the 2002 Val Verde Area annual sump inspection program. Thank you for reviewing this summary letter report. Should any questions arise, please notify me at 303 605 1726.

Sincerely yours,

Jack E. Braun

Jack E. Braun
Sr. Env. Specialist

Cc:	Mike Lee,	DEFS Val Verde Office
	Blair Armstrong.	"
	Rick Wade	"
	Denny Foust	OCD District Office

BURLINGTON RESOURCES

SAN JUAN DIVISION

February 7, 2002

Certified Mail:70993400001842165353

Wayne Price
N.M. Oil Conservation Division
1220 South Street Francis Drive
Santa Fe, NM 87505

Re: 2001 Compressor Station Sump and Line Testing Integrity Inspections

Dear Mr. Price:

The purpose of this correspondence is to provide your office with written notice that the sumps at the following compressor stations were visually tested in September 2001 (OCD Discharge Plan Special Condition # 8). In addition, five of the stations successfully completed the required underground wastewater line testing (OCD Discharge Plan Condition # 9) at the same time as sump inspections. All the stations passed the required testing. No evidence of discharges of wastewater was observed during the testing. Under the normal gravity draining operation of the drain lines, no discharge of wastewater is expected.

Arch Rock	*Buena Vista	*Middle Mesa	Manzanares
Hart Canyon	*Rattlesnake	Pump Mesa	Gobernador
*Cedar Hill	Sandstone	Sims Mesa	Frances Mesa
Pump Canyon	*Quinn		

* Underground Line Testing

For the visual sump inspection, the sumps were completely emptied, cleaned and the lids removed to allow access to each unit. The underground line testing was conducted using the process approved in the OCD's letter dated November 19, 1998. Basically, the procedure is as follows:

1. Underground lines will be plugged at the end of the sump.
2. At the entry point of the underground lines a threaded site glass column assembly will be installed.
3. After all exit points are sealed, the underground lines will be filled with water to a common mark on a glass column assembly. The site glass filling mark will be of sufficient height to be equivalent to a static head pressure of at least 3 psi on the piping system.
4. The site glass will be monitored for 30 minutes.
5. The test will be deemed successful if the level does not fluctuate from the test mark on the glass column.

Please note, BR has included a copy of this letter for each test completed to assist in the distribution of the letter in your files. If you have questions or need additional information, please contact me at (505) 326-937.

Sincerely,

Gregg Wurtz
Environmental Representative

CC: Bruce Gantner
Denny Foust, OCD District Office

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 11/08/01

or cash received on _____ in the amount of $ 1,700.00

from BURLINGTON RESOURCES

for QUINN COMP. 5T (Facility Name) 239 GW-259. (OCD No.)

Submitted by: WAYNE PRICE Data: 12/10/01

Submitted to ASD by: _____ Data: _____

Received in ASD by: _____ Data: _____

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 ___

DOCUMENT CONTAINS ANTI-COPY VOID PANTOGRAPH, MICRO PRINT BORDER, VERIFICATION BOX (TO RIGHT OF ARROW. HOLD BETWEEN THUMB AND FOREFINGER; OR BREATHE ON IT, COLOR WILL DISAPPEAR, THEN REAPPEAR), AND A SIMULATED WATERMARK ON THE BACK

BURLINGTON RESOURCES
801 CHERRY STREET SUITE 200
FORT WORTH, TX 76102-6842

62-20/311

VENDOR NO	CHECK DATE	CHECK NUMBER
67738100	11/08/2001	[redacted]

PAY...ONE THOUSAND SEVEN HUNDRED DOLLARS 00 CENTS

VALID FOR 60 DAYS

$*****1,700.00

TO THE ORDER OF:
WATER QUALITY MANAGEMENT FUND
MINERALS & NATURAL RESOURCES DEPT
2040 SOUTH PACHECO ST
SANTA FE, NM 87505

CITIBANK, DELAWARE
NEW CASTLE, DE 19720

GW-259

[redacted]

BURLINGTON RESOURCES

SAN JUAN DIVISION

November 20, 2001

Certified Mail # *70993400001842165438*

Mr. Rodger C. Anderson
Chief, Environmental Bureau
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

239

Re: Discharge Plan Renewal (GW259)
Quinn Compressor Station

Dear Mr. Anderson:

Thank you for the timely response and approval of the ground water discharge plan renewal application GW-259 for the Burlington Resources Quinn Compressor Station located in the NW/4 SW/4 of Section 16, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico (OCD July 26, 2001).

As per your request, Burlington Resources (BR) is providing a renewal flat fee for the Quinn compressor station facility. The fee is based on a horsepower rating above 1000 horsepower and is equal to $1700.00

Burlington Resources Inc. is also providing your department with two copies of the Discharge Plan Approval Conditions for the Quinn Compressor Station (GW 255).

Please note in the distribution, one copy of the Plan has been sent to Denny Foust at the NMOCD office in Aztec, New Mexico.

If you have any questions concerning this proposed discharge plan, please contact me at 326-9537.

Sincerely,

Gregg Wurtz
Sr. Environmental Representative

Attachments: Discharge Plan Approval Conditions (2 Copies)
$1700 Check Permit Fee

RECEIVED
DEC 10 2001
Environmental Bureau
Oil Conservation Division

cc: Gregg Kardos - BR w/o attachments
Denny Foust - NMOCD Aztec Office (one plan copy)
File – Quinn Compressor Station: Discharge Plan\Correspondence

AFFIDAVIT OF PUBLICATION

Ad No. 44945

STATE OF NEW MEXICO
County of San Juan:

CONNIE PRUITT, being duly sworn says: That she 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 meeting of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication on the following day(s):

Thursday, August 30, 2001.

And the cost of the publication is $197.98.

Connie Pruitt

ON 8/31/01 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Jeanne Beck

My Commission Expires April 02, 2004

cc: NMOCD

COPY OF PUBLICATION

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 applications has been submitted to the Director of the Oil Conservation Division, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

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Connie Pruitt

ON 8/31/01 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Jenny Beck

My Commission Expires April 02, 2004

cc: MKH

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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 21st day of August 2001.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

LORI WROTENBERY, Director

Legal No. 44945, published in The Daily Times, Farmington, New Mexico, Thursday, August 30, 2001.

THE SANTA FE
NEW MEXICAN
Founded 1849

NEW MEXICO OIL CONSERVATION DIVISION
ATTN: WAYNE PRICE
1220 S. ST. FRANCIS DRIVE
SANTA FE, NM 87505

AD NUMBER: 224378 ACCOUNT: 56689
LEGAL NO: 69935 P.O.#: 02199000249
734 LINES 1 time(s) at $ 323.54
AFFIDAVITS: 5.25
TAX: 20.55
TOTAL: 349.34

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, MM Weideman 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 #69935 a copy of which is hereto attached was published in said newspaper 1 day(s) between 08/30/2001 and 08/30/2001 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 30 day of August, 2001 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ MM Weideman
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this
30 day of August A.D., 2001

Notary Laura E. Harding

Commission Expires 11/23/03

Approved
W.P. 9/19/01

NOTICE OF PUBLICATION

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

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(GW-032) - GIANT REFINING Company, Ms Dirinda Mancini, (505)-722-3833Route 3, Box 7, Gallup, New Mexico, 87301 has submitted a modification application for the previously approved discharge plan for their Ciniza Refinery located in Section 28 and Section 33, Township 15 North, Range 15 West, NMPM, Mckinley County, near Gallup, New Mexico. The total discharge of process and non-process wastewater from the facility is about 160,000 gallons/day with an estimated total dissolved solids concentration with a range of about 2,000 mg/l to 3,000 mg/l. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface varies in depth from 70 feet to 140 feet with an approximate total dissolved solids concentration of 950 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-28) - Navajo Refining Company, Darrell Moore, (505) 746-5281, P.O. Box 159, Artesia, New Mexico, 88211-0159 has submitted an application for renewal of its previously approved discharge plan for the Artesia Refinery located in the SE/4 of Section 1, E/2 of Section 8, W/2 of Section 9, N/2 of Section 12, Township 17 South, Range 26 East, NMPM, Eddy County, New Mexico. Approximately 400,000 gallons per day of treated refinery waste water with a total dissolved solids concentration of approximately 2,300 mg/l is discharged from the facility waste water treatment plant by pipeline to two Class I (non-hazardous) deep injection wells located in Sec 31- Ts 17s-R 28 e and Sec 12-Ts 18s-R27e of Eddy County, New Mexico and discharges approximately 150,000 gallons per day of Reverse-Osmosis Reject water used to irrigate two adjacent farms owned and operated by Navajo Refining Company. Ground water most likely to be affected by an accidental discharge in the refinery area is at a depth of approximately [redacted] feet with a total dissolved solids concentration of approximately 2,500 mg/l, and in the pond area ground water is at a depth of 5 to 10 feet with a total dissolved solids concentration of approximately 6,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed including methods and procedures for handling products, waste, waste water management, and site investigation/ abatement plans.

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(BW-019) - Key Energy Services, Inc., Royce Crowell, (505) 393-9171, P.O. Box 2040 Hobbs, New Mexico, 88241 has submitted an application for renewal of its previously approved discharge plan for the Carlsbad Brine Station, located in the SE/4 NE/4 of Section 36, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico. Fresh water is injected to an approximate depth of 710 feet and brine water is extracted with an average total dissolved solids concentration of 300,000 mg/l. Ground water most likely to be affected by any accidental discharge is at a depth exceeding 150 feet and has a total dissolved solids content of approximately 1,800 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
LORI WROTENBERY, Director
Legal #69935
Pub. August 30, 2001

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

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ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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(GW-014) - Navajo Refining Company, Darrell Moore, (505) 748-5281, P.O. Box 159, Artesia, New Mexico, 88211-0159 has submitted an application for renewal of its previously approved discharge plan for the Lovington Refinery located in the SW/4 of Section 31, Township 16 South, Range 37 East; the SE/4 of Section 36, Township 16 South, Range 36 East; the NW/4 of Section 6, Township 17 South, Range 37 East; and the NE/4 of Section 1, Township 17 South, Range 36 East NMPM, Lea County, New Mexico. Approximately 101,000 gallons per day of treated refinery waste water with a total dissolved solids concentration of approximately 1,300 mg/l will undergo treatment in a USEPA regulated pretreatment unit prior to discharge to the City of Lovington publicly owned treatment works (POTW). Ground water most likely to be affected by an accidental discharge is at a depth of approximately 90 feet with a total dissolved solids concentration of approximately 500 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed including methods and procedures for handling products, waste, waste water management, and site investigation/ abatement plans.

(GW-35) - Conoco, Inc., Mr. Lane Ayers, (505)-632-4906, P.O. Box 217 Bloomfield, New Mexico 87413, has submitted a Discharge Plan Renewal Application for their San Juan Gas Plant located in the NW/4 NW/4, Section 14, Township 29 North, Range 11 West, NMPM, San Juan County, New Mexico. Approximately 790,950 gallons per month of waste water is discharged onsite into an above ground bermed closed top tank and two double lined surface evaporation ponds with leak detection prior to transport offsite at an approved OCD disposal facility; Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 15 to 55 feet with a total dissolved solids concentration of approximately 4,400 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(BW-019) - Key Energy Services, Inc., Royce Crowell, (505) 393-9171, P.O. Box 2040 Hobbs, New Mexico, 88241 has submitted an application for renewal of its previously approved discharge plan for the Carlsbad Brine Station, located in the SE/4 NE/4 of Section 36, Township 22 South, Range 26 East, NMPM, Eddy County, New Mexico. Fresh water is injected to an approximate depth of 710 feet and brine water is extracted with an average total dissolved solids concentration of 300,000 mg/l. Ground water most likely to be affected by any accidental discharge is at a depth exceeding 150 feet and has a total dissolved solids content of approximately 1,800 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 21st day of August 2001.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

for LORI WROTENBERY, Director

Price, Wayne

From: Wurtz Gregg [GWurtz@br-inc.com]
Sent: Wednesday, October 24, 2001 12:43 PM
To: Wayne Price (E-mail)
Subject: Discharge addendum letters draft


Quinnl_2001_addendu m_ltr__10_2...


Cedar Hill_2001_addendum_ltr__...


Buena Vista_2001_addendum_ltr_...

Please review attached files. All are identical except for station names. I am working on lab analysis email.

<<Quinnl_2001_addendum_ltr__10_23_01.DOC>> <<Cedar Hill_2001_addendum_ltr__10_23_01.DOC>> <<Buena Vista_2001_addendum_ltr__10_23_01.DOC>>

October 24, 2001 Sent Email

Mr. Wayne Price
Environmental Bureau
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

Re: Addendum Discharge Plan (GW239)
Quinn Compressor Station

Dear Mr. Price:

Burlington Resources Inc. is providing your department with two copies of an addendum to the Discharge Plan for the Quinn Compressor Station (GW 239). This addendum addresses the recent OCD Rule 712 promulgation.

A revision to Section VIII, EFFLUENT AND SOLIDS DISPOSAL, Part B Offsite Disposal, Page 5 was added to clarify the Rule 712 waste classification. In addition, an attachment was added providing waste profile information and a copy of the Generators Waste Profile Sheet renewed by Waste Management Inc., San Juan County Regional Landfill 10/23/01.

Addendum Directions: Remove page five and replace with new page five. Add Attachment A, Waste Analysis and San Jaun County Landfill Profile Approval

Please note in the distribution, one copy of this Addendum has been sent to Denny Foust at the NMOCD office in Aztec, New Mexico.

If you have any questions concerning this proposed discharge plan, please contact me at 326-9537.

Sincerely,

Gregg Wurtz
Sr. Environmental Representative

Attachments: Addendum pages to Discharge Plan (2 Copies)

cc: Denny Foust - NMOCD Aztec Office (one copy)
File – Quinn Compressor Station: Discharge Plan\Correspondence

B. Off-Site Disposal

The following table provides information about off-site waste disposal:

Waste Stream	Shipment Method	Shipping Agent	Final Disposition	Receiving Facility	OCD Rule Waste Approval
Produced Water	Truck	*See Note 1*	Class II Well	*See Note 2*	None Required
TEG Filters Oil Filters Coalecer Filters	Truck	Waste Management County Rd 3100 Aztec, NM (Ref. Note #3)	Filters are landfilled	Waste Management County Rd 3100 Aztec, NM (Ref. Note 3)	Rule 712 D. (2) Waste Profile (Ref. Note 3)
Antifreeze Spent Glycol	Truck	Coastal Chemical	Recycled	Coastal Chemical Co. 10 Road 5911 Farmington, NM	None Required
Used Oil	Truck	*See Note 1*	Recycled	Safety Kleen Corp. 4210 Hawkins Rd. Farmington, NM	None Required
Impacted Soil	Truck	Tierra Landfarm	Landfarmed	Tierra Environmental Sec 2, T29N, R12W San Juan Co., NM. Farmington, NM	Rule 711 Permit NM-01-0010 Cert. of Waste provided to OCD prior to disposal
Solid Waste *(Trash/Refuse)*	Truck	Waste Management	Landfill	Waste Management County Rd 3100 Aztec, NM	Rule 712 D. (1)

Note 1: The trucking agent contracted to ship effluents off-site will be one of the following:

Dawn Trucking Co. 318 Hwy. 64 Farmington, New Mexico.	Key Trucking 708 S. Tucker Ave. Farmington, New Mexico	Safety-Kleen 4210 A Hawkins Rd Farmington, NM

Note 2: The off-site Disposal Facility will be one of the following:

McGrath SWD #4 Sec. 34, T-30-N, R-12-W San Juan County New Mexico	Basin Disposal Sec. 3, T-29-N, R-11-W 6 County Rd 5046 Bloomfield, New Mexico	Key Disposal Sec. 2, T-29-N, R-12-W 323 County Rd. 3500 Farmington, New Mexico

Note 3: *Landfill* approval for disposal of the shipped wastes to landfill:

Waste Management C/R 3100 Aztec, NM	Waste Profile # CD 1496 Waste Waste Profile data (Attachment A)

IX. INSPECTION, MAINTENANCE AND REPORTING

A. Leak Detection/Site Visits

The sump incorporates NMOCD required secondary containment and leak detection systems. In addition, the sump is equipped with an inspection port between the primary and secondary walls to allow for visual inspection of the leak detection system.

ATTACHMENT A

WASTE ANALYSIS AND

SAN JAUN COUNTY LANDFILL PROFILE APPROVAL

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Service Agreement on File? ☒YES ☐NO Profile Number: WMI CD 1496

☐Hazardous ☒Non-Hazardous ☐TSCA Renewal Date: 10/23/2004

A. Waste Generator Information

1. Generator Name: Burlington Resources Oil and Gas Co.
2. SIC Code: 1311
3. Facility Street Address: 3401 E. 30th St.
4. Phone: (505) 326-9700
5. Facility City: Farmington
6. State/Province: New Mexico
7. Zip/Postal Code: 87402
8. Generator USEPA/Federal ID #:
9. County: San Juan
10. State/Province ID #:
11. Customer Name: Burlington Resources San Juan Division
12. Customer Phone: (505) 326-9537
13. Customer Contact: Gregg Wurtz
14. Customer Fax: 505 599-4005
15. Billing Address ☒Same as above

B. Waste Stream Information

1. Description
   a. Name of Waste: Solid waste and oil and gas waste (Non-domestic)
   b. Process Generating Waste: Office facility and Oil and Gas Exploration and Production Drilling operations (1) Natural Gas Pipeline Filters (2) Engine Oil Filters (3) Glycol Filters (4) Produced Water Filters (5) water injection Filters (6) Amine Filters

c. Color	d. Strong odor (describe):	e. Physical state @ 70°F	f. Layers	g. Free liquid range
Varies	Petroleum	☒Solid ☐Liquid ☐Gas ☐Sludge ☐Other	☒Single Layer ☐Multi-layer	N/A to %
				h. pH: Range N/A to %

i. Liquid Flash Point: ☐<73°F ☐73-99°F ☐100-139°F ☐140-199°F ☐≥ 200°F ☒Not applicable

j. Chemical Composition (List all constituents [including halogenated organics, debris, and UHC's] present in any concentration and submit representative analysis):

Constituents	Concentration Range	Constituents	Concentration Range
See Attached Analytical and MSDS information			

TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

k. ☐Oxidizer ☐Pyrophoric ☐Explosive ☐Radioactive ☐Carcinogen ☐Infectious ☐Shock Sensitive ☐Water Reactive

l. Does the waste represented by this profile contain any of the carcinogens which require OSHA notification? (list in Section B.1.j) ☐YES ☒NO

m. Does the waste represented by this profile contain dioxins? (list in Section B.1.j) ☐YES ☒NO

n. Does the waste represented by this profile contain asbestos? ☐YES ☒NO
   If yes ☐friable ☐non-friable

o. Does the waste represented by this profile contain benzene? ☐YES ☒NO
   If yes, concentration _____ ppm
   Is the waste subject to the benzene waste operations NESHAP? ☐YES ☒NO

p. Is the waste subject to RCRA Subpart CC controls? ☐YES ☒NO
   If yes, volatile organic concentration _____ ppmw

q. Does the waste contain any Class I or Class II ozone-depleting substances? ☐YES ☒NO

r. Does the waste contain debris? (list in Section B.1.j) ☐YES ☐NO

2. Quantity of Waste
   Estimated Annual Volume 3000 ☐Tons ☒Yards ☐Drums ☐Other (specify) _____

3. Shipping Information
   a. Packaging:
   ☐Bulk Solid; Type/Size: _____ ☐Bulk Liquid; Type/Size: _____
   ☐Drum; Type; Size: _____ ☐Other: Front load + Roll off containers
   b. Shipping Frequency: Units 22 Per: ☒Month ☐Quarter ☐Year ☐One time ☐Other _____
   c. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If no, skip d, e, and f) ☐YES ☒NO

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

d. Reportable Quantity (lbs.; kgs.): _____ e. Hazard Class/ID #: _____
f. USDOT Shipping Name: _____
g. Personal Protective Equipment Requirements: None
h. Transporter/Transfer Station: Waste Management Inc.

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

1. Is this a USEPA hazardous waste (40 CFR Part 261)? If the answer is no, skip to 2 ☐YES ☒NO
   a. If yes, identify ALL USEPA listed and characteristic waste code numbers (D, F, K, P, U) _____
   b. If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (If yes, list in Section B.1.j) ☐YES ☐NO
   c. Does this waste contain debris? (If yes, list size and type in Chemical Composition - B.1.) ☐YES ☐NO
2. Is this a state hazardous waste? ☐YES ☒NO
   Identify ALL state hazardous waste codes _____
3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean-up? ☐YES ☒NO
   If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up activity. For state mandated clean-up, provide relevant documentation.
4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission? ☐YES ☒NO
5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? (If yes, list in Chemical Composition - B.1.j) ☐YES ☒NO
   a. If yes, were the PCBs imported into the U.S.? ☐YES ☐NO
6. Do the waste profile sheet and all attachments contain true and accurate descriptions of the waste material, and has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ☒YES ☐NO
7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor? ☒YES ☐NO

☐Check here if a Certificate of Destruction or Disposal is required.

Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. I authorize WMI to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this Profile Sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: Gregg Wurtz Title: Sr. Environmental Rep.
Name (Type or Print): Gregg Wurtz Company Name: Burlington Resources Date: 10/22/01
☒Check if additional information is attached. Indicate the number of attached pages 62

D. WMI Management's Decision — FOR WMI USE ONLY

1. Management Method ☒Landfill ☐Non-hazardous Solidification ☐Bioremediation ☐Incineration ☐Hazardous Stabilization ☐Other (Specify)
2. Proposed Ultimate Management Facility: San Juan County Landfill
3. Precautions, Special Handling Procedures, or Limitation on Approval: Bury immediately at working face
4. Waste Form OCD 5. Source OCD 6. System Type _____
Special Waste Decision ☒Approved ☐Disapproved
Salesperson's Signature: _____ Date: _____
Division Approval Signature (Optional): _____ Date: _____
Special Waste Approvals Person Signature: [signature] Site Mgr Date: 10-25-01

Form WMI-4183

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

Certified Receipt #7000 0520 0018 0518 0445

October 3, 2001

Greg Wurtz
San Juan Division
Burlington Resources O&G Co
Post Office Box 4289
Farmington, NM 87499-4289

RE: Waste Disposal Under New Mexico Oil Conservation Division Rule 712

Dear Mr. Wurtz:

The waste streams listed in Rule 712 D. (1) and D. (2) may be disposed of at a New Mexico Environmental Department permitted facility. As required by Rule 712, the generator will furnish test results to the facility that meet its permitted standards for disposal.

If you have questions, please feel free to contact me at (505) 334-6178 ext. 15.

Sincerely,

Frank T. Chavez
District Supervisor
ftchavez@state.nm.us

FTC/mk

XC: Roger Anderson, OCD Santa Fe
DGF File
Environmental File

October 19, 2001

Waste Management
Attn: Janie Kimbell
101 Spruce Street
Farmington, NM 87401

Subject: **Burlington Resources Waste Management Waste Profile #401866 renewal 2001 at the Waste Management Inc. at San Juan County Landfill near Farmington, New Mexico.**

Dear Ms. Kimball,

Burlington Resources, Inc. (BR) is requesting renewal of Waste Management's (WM) Profile #401866. This profile will represent the non-domestic and domestic waste disposed at the San Juan County solid waste landfill facility near Farmington, New Mexico by Burlington Resources Oil and Gas Company. The waste is nonhazardous, non-domestic oil and gas waste similar to the oil and gas waste defined at Subsection D, Paragraphs (1) and (2), of Section 19.15.9.712 and to a minor extent domestic waste.

The nonhazardous, non-domestic oil and gas waste is profiled based on the characteristic testing and/or generator knowledge provided in this request. BR also requests that the Division authorize disposal of the waste streams described in NMAC Subsection D, Section Paragraph (2) of Section 19.15.9.712 without individual testing of each delivery.

A new analysis and waste profile approval will be submitted to WM if the process generating the waste or the waste stream changes.

The non-domestic oil and gas waste BR is requesting for disposal consists of waste associated with the exploration, development, production, transportation, storage, treatment, or refinement of crude oil and natural gas. The waste does not include drilling fluids, produced waters, petroleum liquids, or petroleum sludges. **No free liquids will be permitted for disposal.**

The processes generating a majority of the non-domestic oil and gas waste include: 1) drilling activities; 2) natural gas compression and dehydration; 3) natural gas processing; and 4) salt water disposal well injection.

The laboratory analyses provided (Attachment 1) were completed in compliance with the testing requirements at NMAC Subsection E, Section 19.15.9.712. Samples were collected from a typical process or waste stream and are representative of the each waste

stream. Information is also provided describing the processes generating the waste and a description of the waste stream. A summary of the testing performed and the results for each waste stream is shown in Table 1. In addition, MSDS information is included Attachment 2 that profiles the typical waste generated by our drilling operations and transported to the landfill by private contractor in wire baskets.

Table 1 Waste Analyses performed for waste streams.

Waste	Waste Type	Sample Identification	Profile Analyses/Method	Testing Results
Pipeline Natural Gas Filters	(2)	Inlet and Coalescer Filters Hart Canyon	TCLP metals, Paint Filter, Characteristic R.C.I.	**No Exceedances**
Engine Oil Filters	(2)	Cedar Hill Oil Filter	TCLP/Metals EPA Method 1311	**No Exceedances**
Glycol Filters	(2)	Glycol Filter	BTEX EPA Method 8020	**No Exceedances**
Produced Water Filters	(2)	McGrath SWD and Water Filter Cedar Hill	Corrosivity EPA Method 1110	**No Exceedances**
Amine Filter	(2)	Amine Filter	BTEX EPA Method 8020 T. Cr. and MSDS	**No Exceedances**

(2) NMAC Subsection D, Paragraphs (2) of Section 19.15.9.712

WASTE PROFILES

The narrative waste profiles provided in this section give a general description of the processes generating the waste and the typical quantities.

Glycol Filters

BR generates approximately 350 cu. yds. of glycol filters per year. The glycol filters are generated at our coal bed methane and conventional gas production and processing facilities located in New Mexico. The glycol filters are used in Burlington's glycol gas dehydration process, which removes the water from the natural gas stream. The filters include paper, synthetic fibrous woven and bag filters. The filters are drained and then air-dried for at least 48 hours prior to testing and disposal. Attachment 1 contains the BTEX analysis profiling the glycol filters generated and proposed for disposal. **No limits for testing glycol filters were exceeded.**

Oil Filters

BR produces approximately 200 cu.yds. per year of oil filters. The oil filters are generated from routine maintenance of compressor engines and injection pumps used to compress gas into the gathering pipelines and inject produced water into disposal wells. The filters are drained for at least 24 hours prior to testing and disposal. Attachment 1

contains the TCLP/metals analysis profiling the oil filters generated and proposed for disposal. **No limits for testing oil filters were exceeded.**

Pipeline Natural Gas Filters

BR produces approximately 400 cu.yds. per year of gas filters. The gas filters (inlet and coalescer) are used to filter gas prior to entering the compressor station. Attachment contains the TCLP metals, EPA Characteristic Reactivity, Corrosivity, Ignitability, and paint filter analyses profiling for the inlet, and coalescer filters generated and proposed for disposal. **No limits for testing gas filters were exceeded.**

Amine Filters

BR produces approximately 120 cu. yds. per year of amine filters. The amine gas treating filters are generated from our gas treating plant. The plant removes carbon dioxide from the natural gas using amine. The filters include synthetic fibrous woven and bag filters used for filtering amine. BR drains the filters of free liquids prior to disposal. The filters were air dried for at least 48 hours prior to testing and disposal. Attachment 1 contains the BTEX analyses profiling the amine filters generated and proposed for disposal. **No limits for testing amine filters were exceeded.**

Produced Water Filters

Approximately 500 cu.yds. per year of produced water filters are generated by BR. The water filters are generated from filtering produced water prior to reinjection in salt-water disposal wells. The filters are synthetic fibrous rapped filters. BR drains the filters of free liquids prior to disposal. The filters are drained and then air-dried for at least 48 hours prior to testing. Attachment 1 contains the TCLP EPA Characteristic Corrosivity analyses profiling the produced water filters generated and proposed for disposal. **No limits for testing produced water filters were exceeded.**

Drilling Waste

Approximately 1500 cu. yd. Per year of drilling waste is generated. The waste generated by the drilling operations is mainly empty paper sacks of cement, clay bentonite, and ground paper. In addition, a minor amount of domestic waste generated from persons working on the drilling rig is generated.

If you have any questions or need additional information related to this request please contact me at (505) 326-9537. Thank you.

Sincerely,

Gregg Wurtz
Sr. Environmental Representative

C.c. Correspondence
Main file,

ATTACHMENT 1

WASTE PROFILE LABORATORY DATA

Burlington Resources

Pipeline Natural Gas Filters

Inter-Mountain Laboratories, Inc.
2506 West Main Street, Farmington, NM 87401
(505) 326-4737 Fax (505) 325-4182

Client: Burlington Resources
Project: Filters
Sample ID: Inlet Filter Hart Canyon
Laboratory ID: 0301W00478
Sample Matrix: Solid
Condition: Intact

Date Reported: 01/29/01
Date Sampled: 01/18/01
Date Received: 01/18/01

Analyte	Result	Units	PQL
Ignitability	>140	° F	N/A
Corrosivity (pH)	10.2	s.u.	0.1
Reactive Cyanide	ND	mg/Kg	1
Reactive Sulfide	ND	mg/Kg	5

ND - Analyte not detected at stated detection level.

References:

Analysis performed according to SW-846 "Test Methods for Evaluating Liquid/Solid Waste: Physical/Chemical Methods" United States Environmental Protection Agency 3rd Edition, Final Update, December, 1995.

ASTM Annual Book of Standards.

Reported by: _____

Reviewed by: _____

Inter-Mountain Laboratories, Inc.
2506 West Main Street, Farmington, NM 87401
e (505) 325-4737 Fax (505) 325-4182

Client: Burlington Resources
Project: Filters
Sample ID: Inlet Filter Hart Canyon
Lab ID: 0301W00478
Matrix: Filter
Condition: N/A

Date Reported: 01/26/01
Date Sampled: 01/18/01
Date Received: 01/18/01
Date Analyzed: 01/24/01

Parameter	Analytical Result	PQL	MCL	Units
TCLP METALS - METHOD 1311				
Arsenic	<0.1	0.1	5.0	mg/L
Barium	2.7	0.5	100	mg/L
Cadmium	<0.01	0.01	1.0	mg/L
Chromium	<0.02	0.02	5.0	mg/L
Lead	<0.1	0.1	5.0	mg/L
Mercury	<0.01	0.01	0.2	mg/L
Selenium	<0.1	0.1	1.0	mg/L
Silver	<0.05	0.05	5.0	mg/L

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: _____
William Lipps

Inter-Mountain Laboratories, Inc.
Phone (505) 326-4737 Fax (505) 325-4182
2506 West Main Street, Farmington, NM 87401

Client:	**Burlington Resources**		
Project:	**Filters**	Date Reported:	**01/29/01**
Sample ID:	**Inlet Filter Hart Canyon**	Date Sampled:	**01/18/01**
Laboratory ID:	**0301W00478**	Date Received:	**01/18/01**
Sample Matrix:	**Filters**		

Parameter	Result
Paint Filter Test	No Free Liquid

References: Method 9095 - ASTM Annual Book of Standards.

Reported by: _____

Reviewed by: _____

Inter-Mountain Laboratories, Inc.
ne (505) 326-4737 Fax (505) 325-4182
2506 West Main Street, Farmington, NM 87401

Client: **Burlington Resources**
Project: Filters
Sample ID: Coalescer Filter
Laboratory ID: 0301W00479
Sample Matrix: Solid
Condition: Intact

Date Reported: 01/29/01
Date Sampled: 01/18/01
Date Received: 01/18/01

Analyte	Result	Units	PQL
Ignitability	>140	° F	N/A
Corrosivity (pH)	9.18	s.u.	0.1
Reactive Cyanide	ND	mg/Kg	1
Reactive Sulfide	26	mg/Kg	5

ND - Analyte not detected at stated detection level.

References:

Analysis performed according to SW-846 "Test Methods for Evaluating Liquid/Solid Waste: Physical/Chemical Methods" United States Environmental Protection Agency 3rd Edition, Final Update. December, 1995.

ASTM Annual Book of Standards.

Reported by: _____

Reviewed by: _____

Inter-Mountain Laboratories, Inc.
(505) 326-4737 Fax (505) 325-4182
2506 West Main Street, Farmington, NM 87401

Client: Burlington Resources
Project: Filters
Sample ID: Coalescer Filter
Lab ID: 0301W00479
Matrix: Filter
Condition: N/A

Date Reported: 01/26/01
Date Sampled: 01/18/01
Date Received: 01/18/01
Date Analyzed: 01/24/01

Parameter	Analytical Result	PQL	MCL	Units
TCLP METALS - METHOD 1311				
Arsenic	<0.1	0.1	5.0	mg/L
Barium	<0.5	0.5	100	mg/L
Cadmium	<0.01	0.01	1.0	mg/L
Chromium	<0.02	0.02	5.0	mg/L
Lead	<0.1	0.1	5.0	mg/L
Mercury	<0.01	0.01	0.2	mg/L
Selenium	<0.1	0.1	1.0	mg/L
Silver	<0.05	0.05	5.0	mg/L

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: William Lipps

Inter-Mountain Laboratories, Inc.
2506 West Main Street, Farmington, NM 87401
one (505) 325-4737 Fax (505) 325-4182

Client:	Burlington Resources	Date Reported:	01/29/01
Project:	Filters	Date Sampled:	01/18/01
Sample ID:	Coalescer Filter	Date Received:	01/18/01
Laboratory ID:	0301W00479		
Sample Matrix:	Filters		

Parameter	Result
Paint Filter Test	No Free Liquid

References: Method 9095 - ASTM Annual Book of Standards.

Reported by: _____

Reviewed by: _____

Engine Oil Filters

Inter-Mountain Laboratories, Inc.
Phone (505) 326-4737 Fax (505) 325-4182
2506 West Main Street, Farmington, NM 87401

Client: Burlington Resources
Project: Filters
Sample ID: Cedar Hill Oil Filter
Lab ID: 0301W00507
Matrix: Filter
Condition: N/A

Date Reported: 02/01/01
Date Sampled: 01/22/01
Date Received: 01/22/01
Date Analyzed: 01/31/01

Parameter	Analytical Result	PQL	MCL	Units
TCLP METALS - METHOD 1311				
Arsenic	<0.1	0.1	5.0	mg/L
Barium	1.3	0.5	100	mg/L
Cadmium	<0.01	0.01	1.0	mg/L
Chromium	<0.02	0.02	5.0	mg/L
Lead	<0.1	0.1	5.0	mg/L
Mercury	<0.01	0.01	0.2	mg/L
Selenium	<0.1	0.1	1.0	mg/L
Silver	<0.05	0.05	5.0	mg/L

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: _____
William Lipps

Glycol Filters

iml
Inter-Mountain Laboratories, Inc.
Phone (505) 326-4737 Fax (505) 325-4182
2506 West Main Street, Farmington, NM 87401

June 6, 2001

Gregg Wurtz
Burlington Resources
3535 E. 30th St.
Farmington, NM 87402

Dear Gregg:

Enclosed please find the report for the sample received by our laboratory for analysis on June1, 2001.

If you have any questions about the results of the analysis, please don't hesitate to call at your convenience.

Thank you for choosing IML for your analytical needs!

Sincerely,

Sharon Williams
Organic Analyst/IML-Farmington

Enclosure

xc: File

iml Inter-Mountain Laboratories, Inc.
Phone (505) 326-4737 Fax (505) 325-4182 2506 West Main Street, Farmington, NM 87401

BURLINGTON RESOURCES
SAN JUAN DIVISION

Case Narrative

On June 1, 2001, one sample was submitted to Inter-Mountain Laboratories - Farmington for analysis. Analyses for Benzene-Toluene-Ethylbenzene-Xylenes (BTEX), was performed on the sample as per the accompanying Chain of Custody document. The sample was analyzed within the required holding time.

It is the policy of this laboratory to employ, whenever possible, preparatory and analytical methods which have been approved by regulatory agencies. The method used in the analysis of the sample reported herein is found in: EPA Method 5030, Purge and Trap, EPA Method 8021B, Aromatic Volatile Hydrocarbons, using a Tekmar LSC 2000 Purge and Trap and a Hewlett-Packard 5890 Gas Chromatograph, equipped with a photoionization detector. No BTEX compounds were detected as indicated in the enclosed report.

If there are any questions regarding the information presented in this report package, please feel free to call me at your convenience.

Sincerely,

Sharon Williams
Organic Analyst/IML-Farmington

..06 West Main Street
Farmington, NM 87401

Client:	**Burlington Resources**		
Project:	**San Juan Division**	**Date Reported:**	06/06/01
Sample ID:	GLYCOL	**Date Sampled:**	06/01/01
Lab ID:	0301W02542	**Date Received:**	06/01/01
Matrix:		**Date Extracted:**	N/A
Condition:			

Parameter	Analytical Result	PQL	Units
BTEX - Method 8021B			
Benzene	<50	50	ug/Kg
Toluene	<50	50	ug/Kg
Ethylbenzene	<50	50	ug/Kg
Xylenes (total)	<150	150	ug/Kg

Quality Control - Surrogate Recovery	%	QC Limits
4-Bromofluorobenzene(SUR-8021B)	108	70 - 130
a,a,a-Trifluorotoluene(SUR-8021B)	113	70 - 130

Reference: Method 8021b, Volatile Organic Compounds, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, United States Environmental Protection Agency, SW-846, Volume IB.

Reviewed By: _____
William Lipps

Analyst: _____

Produced Water Filters

Inter-Mountain Laboratories, Inc.
ine (505) 326-4737 Fax (505) 325-4182
2506 West Main Street, Farmington, NM 87401

Client: **Burlington Resources**
Project: **Filters**
Sample ID: **McGrath SWD**
Laboratory ID: **0301W00477**
Sample Matrix: **Solid**
Condition: **Intact**

Date Reported: **01/29/01**
Date Sampled: **01/18/01**
Date Received: **01/18/01**

Analyte	Result	Units	PQL
Ignitability	95	° F	N/A
Corrosivity (pH)	9.12	s.u.	0.1
Reactive Cyanide	ND	mg/Kg	1
Reactive Sulfide	ND	mg/Kg	5

ND - Analyte not detected at stated detection level.

References:

Analysis performed according to SW-846 "Test Methods for Evaluating Liquid/Solid Waste: Physical/Chemical Methods" United States Environmental Protection Agency 3rd Edition, Final Update, December, 1995.

ASTM Annual Book of Standards.

Reported by: _____ Reviewed by: _____

Inter-Mountain Laboratories, Inc.
e (505) 325-4737 Fax (505) 325-4182
2506 West Main Street, Farmington, NM 87401

Client: **Burlington Resources**
Project: Filters
Sample ID: Water Filter Cedar Hill
Laboratory ID: 0301W00481
Sample Matrix: Solid
Condition: Intact

Date Reported: 01/29/01
Date Sampled: 01/18/01
Date Received: 01/18/01

Analyte	Result	Units	PQL
Ignitability	>140	° F	N/A
Corrosivity (pH)	9.35	s.u.	0.1
Reactive Cyanide	ND	mg/Kg	1
Reactive Sulfide	7	mg/Kg	5

ND - Analyte not detected at stated detection level.

References:

Analysis performed according to SW-846 "Test Methods for Evaluating Liquid/Solid Waste: Physical/Chemical Methods" United States Environmental Protection Agency 3rd Edition. Final Update, December, 1995.

ASTM Annual Book of Standards.

Reported by: _____

Reviewed by: _____

Amine Filter

iml

Inter Mountain Laboratories, Inc.

Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

June 25, 2001

Gregg Wurtz
Burlington Resources
3535 E. 30th St.
Farmington, NM 87402

Dear Gregg:

Enclosed please find the reports for the sample received by our laboratory for analysis on June 11, 2001.

If you have any questions about the results of these analyses, please don't hesitate to call at your convenience.

Thank you for choosing IML for your analytical needs!

Sincerely,

Sharon Williams
Organic Analyst/IML-Farmington

Enclosure

xc: File

imL

Inter Mountain Laboratories, Inc.

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2506 West Main Street, Farmington, NM 87401

BURLINGTON RESOURCES

Case Narrative

On June 11, 2001, one soil sample was submitted to Inter-Mountain Laboratories - Farmington for analysis. The sample was received intact. Analysis for Toxicity Characteristic Leaching Procedure (TCLP) Chromium and Benzene-Toluene-Ethylbenzene-Xylenes (BTEX) was performed on the sample as per the accompanying Chain of Custody #72754.

TCLP extraction was performed on the sample by "Toxicity Characteristic Leaching Procedure", Method 1311, SW-846, Rev. O, July 1992. Digestion of the extracted sample was performed by "Acid/digestion of Aqueous Samples and Extracts for Total Metals", SW-846, Rev. 1, July 1992. Trace metal analysis for Chromium was performed on the sample by "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", SW-846, United States Environmental Protection Agency, November, 1986.

BTEX analysis on the sample was performed by EPA Method 5030, Purge and Trap, and EPA Method 8021B, Aromatic Volatile Hydrocarbons, using a Tekmar Purge and Trap and a Hewlett-Packard 5890 Gas Chromatograph, equipped with a photoionization detector.

It is the policy of this laboratory to employ, whenever possible, preparatory and analytical methods which have been approved by regulatory agencies.

Quality control reports appear at the end of the analytical package and may be identified by title. If there are questions regarding the information presented in this package, please feel free to contact me at your convenience.

Sincerely,

Sharon Williams

Inter-Mountain Laboratories, Inc.
2506 West Main Street
Farmington, NM 87401

Client:	**Burlington Resources**		
Project:	**Val Verde Plant**	**Date Reported:**	06/21/01
Sample ID:	V V P Amine Filter	**Date Sampled:**	06/11/01
Lab ID:	0301W02719	**Date Received:**	06/11/01
Matrix:	Filter	**Date Extracted:**	N/A
Condition:	N/A		

Parameter	Analytical Result	PQL	Units
BTEX - METHOD 8021B			
Benzene	<50	50	ug/Kg
Toluene	58	50	ug/Kg
Ethylbenzene	<50	50	ug/Kg
Xylenes (total)	<150	150	ug/Kg

Quality Control - Surrogate Recovery	%	QC Limits
4-Bromofluorobenzene(SUR-8021B)	71	70 - 130
a,a,a-Trifluorotoluene(SUR-8021B)	75	70 - 130

Reference: Method 8021b, Volatile Organic Compounds, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, United States Environmental Protection Agency, SW-846, Volume IB.

Reviewed By: _____
William Lipps

Analyst: _____

Inter·Mountain Laboratories, Inc.

2506 West Main Street
Farmington, NM 87401

Client: Burlington Resources
Project: Val Verde Plant
Sample ID: V V P Amine Filter
Lab ID: 0301W02719
Matrix: Filter
Condition: N/A

Date Reported: 06/21/01
Date Sampled: 06/11/01
Date Received: 06/11/01

Parameter	Analytical Result	PQL	MCL	Units
TCLP METALS				
Chromium	3	0.02	5.0	mg/L

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: _____
William Lipps

QUALITY CONTROL / QUALITY ASSURANCE

Quality Control / Quality Assurance

Spike Analysis / Blank Analysis / Known Analysis

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Client:	**Burlington Resources**	Date Reported:	06/25/01
Project:	Val Verde Plant	Date Analyzed:	06/20/01
Sample Matrix:	Extract	Date Received:	06/11/01

Spike Analysis

Parameter	Spike Result (mg/L)	Sample Result (mg/L)	Spike Added (mg/L)	Percent Recovery
Chromium	0.10	<0.02	0.10	**97%**

Method Blank Analysis

Parameter	Result	Detection Limit	Units
Chromium	**ND**	0.02	mg/L

Known Analysis

Parameter	Found Result	Known Result	Percent Recovery	Units
Chromium	1.97	2.00	**99%**	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846. Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported by _____

Reviewed by _____

Inter-Mountain Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	Sampler: (Signature)	Chain of Custody Tape No.
Burlington Resources	VVP	Gregg Wurtz	

ANALYSES / PARAMETERS

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	TCLD T.C.				Remarks
VVP Am... filter	6/11/01	12:45	2719	Clothe Filter	—					Filter
										6 21 01 [illegible]

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Gregg Wurtz	6/11/01	12:50			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by laboratory: (Signature)	Date	Time
			[signature]	6/11/01	12:50

Inter-Mountain Laboratories, Inc.

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- ☐ 1633 Terra Avenue, Sheridan, Wyoming 82801, Telephone (307) 672-8945
- ☐ 1701 Phillips Circle, Gillette, Wyoming 82718, Telephone (307) 682-8945
- ☒ 2506 West Main Street, Farmington, NM 87401, Telephone (505) 326-4737
- ☐ 11183 State Hwy. 30, College Station, TX 77845, Telephone (979) 776-8945

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iml Inter-Mountain Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
Burlington Resources	San Juan Div.
Sampler: (Signature)	**Chain of Custody Tape No.**
Gregg Wurtz	

ANALYSES / PARAMETERS

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	TPH 8015 DRO GRO Oil	Paint Filter	TCLP Metals	EPA Char. RCI	Remarks
Rattlesnake	1-22-01	09:00	506	Soil	1	X				
[illegible] Oil Filter	1-22-01	09:30	507	Filter	—	X	X	X	X	

Remarks: 1-22-01 Client called requested we discard sample from Rattlesnake. Discarded sample 1-23-01 [illegible]

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
(1) Gregg Wurtz	1/22/01	11:5[illegible]			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by laboratory: (Signature)**	**Date**	**Time**
			[illegible] Williams	1/22/01	11:5

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Inter-Mountain Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
[illegible] Resources	VVP
Sampler: (Signature)	**Chain of Custody Tape No.**
[signature]	

ANALYSES / PARAMETERS

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	TCLP Cr				Remarks
[illegible] filter	1/24/01	2:07	583	Fiber	1	X				Note: Analyze Cr first and report to Gregg before additional analysis
[illegible] filter	1/24/01	2:08	584	Fiber	1	X				Additional analysis TCLP metals, RIC, Paint filter, 8260, - TPH 418.1

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1/24/01	2:18			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by laboratory: (Signature)**	**Date**	**Time**
			[signature] Williams	1/25/01	1418

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Inter-Mountain Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Client/Project Name: [illegible] Resou[illegible]

Project Location:

Sampler: (Signature) [illegible]

Chain of Custody Tape No.

ANALYSES / PARAMETERS

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	TPH 8015 mod	[illegible]	TCLP Metals	EPA [illegible] R.C.I.	Remarks
[illegible] D	1-18-[illegible]	13:[illegible]7	477	Water - Filter	1	X	X	X	X	Need by [illegible]
[illegible]	1-18-[illegible]	13:[illegible]7	478	Ga - Filter	1	X	[illegible]	X	X	[illegible]
[illegible] Filter	1-18-[illegible]	13:[illegible]	479	Ga - Filter	1	X	X	X	X	[illegible]
G[illegible] Filter	1-18-0[illegible]	13:[illegible]7	480	G[illegible] - Filter	1	X	X	X	X	[illegible]
[illegible] Fill [illegible] Hill	1-18-[illegible]	13:[illegible]7	481	Wat[illegible] - Filter	1	X	[illegible]	X	X	↓

1-24-01. As per G.W. - add TPH and don't run GRO. EW

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[illegible]	1-18-01	13:27			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			[illegible]		
Relinquished by: (Signature)	Date	Time	Received by laboratory: (Signature)	Date	Time
			[illegible]		

Inter-Mountain Laboratories, Inc.

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☒ 2506 West Main Street, Farmington, NM 87401, Telephone (505) 326-4737

☐ 11183 State Hwy. 30, College Station, TX 77845, Telephone (979) 776-8945

[illegible]507

CHAIN OF CUSTODY RECORD

Inter- Mountain Laboratories, Inc.

Client/Project Name	Project Location	ANALYSES / PARAMETERS
Burlington Resource	San Juan Div.	
Sampler: (Signature)	**Chain of Custody Tape No.**	**Remarks**
Greg Hurst		

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	(1) TX (2) 7021
Glycol	6/1/01	9:00am	2542	Fabric	—	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
J. Greg Hurst	6/1/01	11:50			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by laboratory: (Signature)**	**Date**	**Time**
			Jason E Williams	6/1/01	11:50

Inter-Mountain Laboratories, Inc.

☐	☐	☐	☒	☐
555 Absaraka Sheridan, Wyoming 82801 Telephone (307) 674-7506	1633 Terra Avenue Sheridan, Wyoming 82801 Telephone (307) 672-8945	1701 Phillips Circle Gillette, Wyoming 82718 Telephone (307) 682-8945	2506 West Main Street Farmington, NM 87401 Telephone (505) 326-4737	11183 State Hwy. 30 College Station, TX 77845 Telephone (979) 776-8945

7?01

imi
Inter-Mountain Laboratories, Inc.
2506 West Main Street. Farmington. NM 87401
Phone (505) 326-4737 Fax (505) 325-4182

QUALITY CONTROL / QUALITY ASSURANCE

Inter-Mountain Laboratories, Inc.
Phone (505) 326-4737 Fax (505) 325-4182
2506 West Main Street, Farmington, NM 87401

Quality Control / Quality Assurance

Spike Analysis / Blank Analysis

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Client:	Burlington Resources	Date Reported:	01/29/01
Project:	Filters	Date Analyzed:	01/24/01
Sample Matrix:	Extract	Date Received:	01/16/01

Spike Analysis

Parameter	Spike Result (mg/L)	Sample Result (mg/L)	Spike Added (mg/L)	Recovery
Arsenic	0.98	<0.1	1.00	98%
Barium	2.27	1.26	1.00	101%
Cadmium	0.93	<0.01	1.00	93%
Chromium	0.97	0.02	1.00	95%
Lead	0.94	<0.1	1.00	94%
Mercury	0.033	<0.01	0.030	109%
Selenium	0.99	<0.1	1.00	99%
Silver	0.94	<0.05	1.00	94%

Method Blank Analysis

Parameter	Result	Detection Limit	Units
Arsenic	ND	0.1	mg/L
Barium	ND	0.5	mg/L
Cadmium	ND	0.01	mg/L
Chromium	ND	0.02	mg/L
Lead	ND	0.1	mg/L
Mercury	ND	0.01	mg/L
Selenium	ND	0.1	mg/L
Silver	ND	0.05	mg/L

References:

Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported by 

Reviewed by 

Inter-Mountain Laboratories, Inc.
Phone (505) 326-4737 Fax (505) 325-4182
2506 West Main Street, Farmington, NM 87401

Quality Control / Quality Assurance

Known Analysis

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Client:	Burlington Resources	Date Reported:	01/29/01
Project:	Filters	Date Analyzed:	01/24/01
Sample Matrix:	Extract	Date Received:	01/18/01

Known Analysis

Parameter	Found Result	Known Result	Percent Recovery	Units
Arsenic	2.03	2.00	102%	mg/L
Barium	1.90	2.00	95%	mg/L
Cadmium	1.93	2.00	97%	mg/L
Chromium	1.95	2.00	98%	mg/L
Lead	1.94	2.00	97%	mg/L
Mercury	0.030	0.030	100%	mg/L
Selenium	1.93	2.00	97%	mg/L
Silver	0.51	0.50	102%	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported by _____ Reviewed by _____

Inter-Mountain Laboratories, Inc.
Phone (505) 326-4737 Fax (505) 325-4182
2506 West Main Street, Farmington, NM 87401

Quality Assurance / Quality Control
Total Petroleum Hydrocarbons

Client:	Burlington Resources	Date Reported:	01/26/01
Project:	Filters	Date Sampled:	0122/01
Matrix:	Soil	Date Received:	01/22/01
Condition:	Intact/Cool	Date Extracted:	01/26/01
		Date Analyzed:	01/26/01

Duplicate Analysis

Lab ID	Sample Result	Dup Result	Units	% Difference
W0477	93,000	78,000	mg/Kg	18.1%

Method Blank Analysis

Lab ID	Result	Units	Detection Limit
Method Blank	ND	mg/Kg	20.0

Spike Analysis

Lab ID	Found Conc. mg/Kg	Sample Conc. mg/Kg	Spike Amount mg/Kg	Percent Recovery	Acceptance Limits
MB	419	ND	500	84%	70-130%

Known Analysis

Lab ID	Found Conc. mg/Kg	Known Conc. mg/Kg	Percent Recovery	Acceptance Limits
QC	48.6	55.0	88%	70-130%

Method 418.1: Petroleum Hydrocarbons, Total Recoverable. USEPA Chemical Analysis of Water and Waste. 1978.

Method 3550: Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW -846, rev.1, July 1992.

Reported By: _____ Reviewed By: _____

imi
Inter-Mountain Laboratories, Inc.
Phone (505) 326-4737 Fax (505) 325-4182
2506 West Main Street, Farmington, NM 87401

QUALITY CONTROL / QUALITY ASSURANCE

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2506 West Main Street, Farmington, NM 87401

Quality Control / Quality Assurance

Spike Analysis / Blank Analysis

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Client:	Burlington Resources	Date Reported:	01/31/01
Project:	Filter	Date Analyzed:	01/25/01
Sample Matrix:	Extract	Date Received:	01/22/01

Spike Analysis

Parameter	Spike Result (mg/L)	Sample Result (mg/L)	Spike Added (mg/L)	Percent Recovery
Arsenic	0.98	<0.1	1.00	98%
Barium	2.27	1.26	1.00	101%
Cadmium	0.93	<0.01	1.00	93%
Chromium	0.97	0.02	1.00	95%
Lead	0.94	<0.1	1.00	94%
Mercury	0.02	<0.01	0.02	101%
Selenium	0.99	<0.1	1.00	99%
Silver	0.94	<0.05	1.00	94%

Method Blank Analysis

Parameter	Result	Detection Limit	Units
Arsenic	ND	0.1	mg/L
Barium	ND	0.5	mg/L
Cadmium	ND	0.01	mg/L
Chromium	ND	0.02	mg/L
Lead	ND	0.1	mg/L
Mercury	ND	0.01	mg/L
Selenium	ND	0.1	mg/L
Silver	ND	0.05	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported by _____

Reviewed by _____

imL

Inter-Mountain Laboratories, Inc.

Phone (505) 326-4737 Fax (505) 325-4182

2506 West Main Street, Farmington, NM 87401

Quality Control / Quality Assurance

Known Analysis

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

Client:	Burlington Resources	Date Reported:	01/31/01
Project:	Filter	Date Analyzed:	01/25/01
Sample Matrix:	Extract	Date Received:	01/22/01

Known Analysis

Parameter	Found Result	Known Result	Percent Recovery	Units
Arsenic	2.03	2.00	102%	mg/L
Barium	1.90	2.00	95%	mg/L
Cadmium	1.93	2.00	97%	mg/L
Chromium	1.95	2.00	98%	mg/L
Lead	1.94	2.00	97%	mg/L
Mercury	0.029	0.030	97%	mg/L
Selenium	1.93	2.00	97%	mg/L
Silver	0.51	0.50	102%	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure, SW-846, Rev. 0, July 1992.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, Rev. 1, July 1992.

Comments:

Reported by _____

Reviewed by _____

Inter-Mountain Laboratories, Inc.
Phone (505) 326-4737 Fax (505) 325-4182
2506 West Main Street, Farmington, NM 87401

Quality Assurance / Quality Control
Total Petroleum Hydrocarbons

Client:	Burlington Resources	Date Reported:	01/31/01
Project:	Filter	Date Sampled:	01/22/01
Matrix:	Solid	Date Received:	01/22/01
Condition:	Intact/Cool	Date Extracted:	01/25/01
		Date Analyzed:	01/25/01

Duplicate Analysis

Lab ID	Sample Result	Dup. Result	Units	% Difference
W00423	ND	ND	mg/Kg	0.00%

Method Blank Analysis

Lab ID	Result	Units	Detection Limit
Method Blank	ND	mg/Kg	20.0

Spike Analysis

Lab ID	Found Conc. mg/Kg	Sample Conc. mg/Kg	Spike Amount mg/Kg	Percent Recovery	Acceptance Limits
MB	494	ND	500	99%	70-130%

Known Analysis

Lab ID	Found Conc. mg/Kg	Known Conc. mg/Kg	Percent Recovery	Acceptance Limits
QC	30.2	35.5	85%	70-130%

Method 418.1: Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

Method 3550: Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW -846, rev.1, July 1992.

Reported By: _____ Reviewed By: _____

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 6/26/01

or cash received on _____ in the amount of $ 100.00

from BURLINGTON RESOURCES

for QUINN COMPRESSOR ST GW-239

(Facility Name) (OP No.)

Submitted by: WAYNE PRICE Data: 7/30/01

Submitted to ASD by: [signature] Data: 7/30/01

Received in ASD by: _____ Data: _____

Filing Fee ✓ New Facility ___ Renewal ___

Modification ___ Other _____

(specify)

Organization Code 521.07 Applicable FY 2002

To be deposited in the Water Quality Management Fund.

Full Payment ___ or Annual Increment ___

BURLINGTON RESOURCES
801 Cherry Street Suite 200
Ft. Worth TX 76102-6842

CITIBANK (Delaware)
A Subsidiary of Citicorp
One Penn's Way
New Castle DE 19720
62-20/311

[redacted]

Vendor No. 67738100

Date 06/26/2001 **Pay Amount** $100.00
Void If Not Presented for Payment Within 60 Days

To The Order Of

WATER QUALITY MANAGEMENT FUND
MINERALS & NATURAL RESOURCES DEPT
2040 SOUTH PACHECO ST
SANTA FE NM 87505

[signature]

[redacted]

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Revised January 24, 2001

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,GAS PLANTS, REFINERIES, COMPRESSOR, GEOTHERMAL FACILITES AND CRUDE OIL PUMP STATIONS

(Refer to the OCD Guidelines for assistance in completing the application)

☐ New ☒ Renewal ☐ Modification

RECEIVED
JUL 27 2001
Environmental Bureau
Oil Conservation Division

1. Type: Quinn Compressor Station
2. Operator: Burlington Resources Inc.

   Address: P.O. Box 4289 Farmington New Mexico 87499-4289

   Contact Person: Gregg Wurtz Phone: (505) 326-9537

3. Location: NW /4 SW /4 Section 16 Township 31N Range 8W
   Submit large scale topographic map showing exact location.

4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

14. CERTIFICATIONI hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Gregg Wurtz Title: Environmental Representative

Signature: Gregg Wurtz Date: 7/26/01

BURLINGTON RESOURCES

SAN JUAN DIVISION

7/26/2001 Fed Ex

Mr. Rodger C. Anderson
Chief, Environmental Bureau
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

Re: Discharge Plan Renewal (GW239)
Quinn Compressor Station

Dear Mr. Anderson:

Burlington Resources Inc. is to providing your department with two copies of the Discharge Plan renewal for the Quinn Compressor Station (GW 57). You will find enclosed with the Plan, a signed Discharge Plan Application form and a check in the amount of $100 dollars for the filing fee.

No on-site disposal of fluids or solids will occur at this facility. All above ground storage tanks are bermed and certain process equipment has been equipped with lined containment basins to catch unintentional discharges of process fluids.

Please note in the distribution, one copy of the Plan has been sent to Denny Foust at the NMOCD office in Aztec, New Mexico.

If you have any questions concerning this proposed discharge plan, please contact me at 326-9537.

Sincerely,

Gregg Wurtz
Sr. Environmental Representative

Attachments: Discharge Plan (2 Copies)
$100 Filing Fee

cc: Gregg Kardos - BR w/o attachments
Denny Foust - NMOCD Aztec Office (one plan copy)
File – Quinn Compressor Station: Discharge Plan\Correspondence

s:\grndwtr\facility\bunavsta\cooresp\Quinnnrenewal ltr_2001 .doc

QUINN COMPRESSOR STATION
GROUND WATER DISCHARGE PLAN

July 24, 2001

Prepared for:

Burlington Resources, Inc.
Farmington, New Mexico

Revised by:

Gregg Wurtz

TABLE OF CONTENTS

QUINN COMPRESSOR STATION
GROUND WATER DISCHARGE PLAN

I. TYPE OF OPERATION

The Quinn Compressor Station (Quinn) is a natural gas compressor station which receives lean gas via an upstream gathering system. At this facility field gas is compressed to an intermediate pressure and dehydrated.

II. OPERATOR AND LOCAL REPRESENTATIVE

A. Operator

Name: BR Burlington Resources (BR)	**Address: P.O. Box 4289**
City: Farmington	**State: New Mexico**
Zip: 87499-4289	**Phone: 505-326-9700**

B. Technical Representative

Name: Gregg Wurtz	**Address: P.O. Box 4289**
City: Farmington	**State: New Mexico**
Zip: 87499-4289	**Phone: 505-326-9537**

III. FACILITY LOCATION

Township: T 31N	**Range: R 8W**	**Quarter: NW/SW** **Section: 16**	**County: San Juan**

A topographic map of the area is attached as Figure 1, Facility Area Map.

IV. LANDOWNERS

Name: Burlington Resources, Inc.	**Address: P.O. Box 4289**
City: Farmington	**State: New Mexico**
Zip: 87499-4289	**Phone: (505) 326 - 9700**
Name: State of New Mexico	**Address: P.O. Box 1148**
City: Santa Fe	**State: New Mexico**
Zip: 87504-1148	**Phone: (505) 827-7153**

V. FACILITY DESCRIPTION

The Quinn is constructed on a pad of approximately 3.0 acres in size. It consists of one gas compression engine (3200 hp), one dehydration unit, and the following tanks and sumps:

Container Type	Capacity	Product	Construction Material	Location
Tank	50 Barrel	Lube Oil	Steel	Above Ground
Tank	50 Barrel	Used Oil	Steel	Above Ground
Tank	50 Barrel	Ethylene Glycol (EG)	Steel	Above Ground
Tank	100 Barrel	Produced Water	Steel	Above Ground
Tank	750 Gallon	Triethylene Glycol (TEG)	Fiberglass	Above Ground
Process Sump	640 Gallon	Water, TEG, EG, Oil	Steel	Below Ground

Figure 2 (attached) illustrates the overall facility lay-out including the facility boundaries.

VI. SOURCES, QUANTITIES & QUALITY OF EFFLUENTS

A. Waste Stream Data

Source of Waste	Type of Waste	Volume/Month	Type/Volume of Additives	Collection System/Storage
Dehydration Unit	Produced Water	3 barrels	None	Sump
Dehydration Unit	TEG	Intermittent	None	Tank
Dehydration Unit	Used TEG Filters	3	None	Container/Bin
Compressor Engine	Cooling Water	Intermittent	EG	Tank
Compressor Engine	Leaks/Precipitation	Intermittent	EG, Oil, Water	Sump
Compressor Engine	Used Oil	160 gallons	None	Tank
Compressor Engine	Oil Filters	4	None	Container/Bin
Inlet Filter Separator	Inlet Filters	52/per year (2 changes)	None	Container/Bin
Discharge Filter Coalescer	Coalescer Filters	40/per year (3 changes)	None	Container/Bin
36" Slug Catcher Inlet Separator	Produced Water	93 barrels	Corrosion Inhibitors	Tank
General Refuse	Solid Waste	1-2 Containers	None	Container/Bin

B. Quality Characteristics

1. Note: No process waste streams discharged to the ground surface. All waste streams are collected and their disposition is described in Section VIII.

2. Produced water from the inlet filter separator, discharge filter coalescer, and the dehydration unit may contain the BETX hydrocarbon compounds listed in ***WQCC 1-101.ZZ.*** Similarly, used oil collected in the sump will contain ***WQCC 1-101.ZZ*** hydrocarbon compounds.

C. Commingled Waste Streams

1. Produced water from the slug catcher, and dehydration units are commingled prior to being hauled for disposal. In addition, wash water (fresh water) may also be introduced into the comingled waste stream

VII. TRANSFER & STORAGE OF PROCESS FLUIDS & EFFLUENTS

A. Fluid Storage

Information on the waste stream collection and storage containers is summarized in the tables in Sections V and VI.

B. Flow Schematics

The individual units are shown on Figure 2. Produced water may be generated during the compression of gas with water being diverted to an above ground tank. Produced water may also be generated during dehydration of the gas with water being diverted to the underground sump.

C. Surface and Subsurface Discharge Potential

1. The table in Section V provides a listing of all above ground tanks and below grade sumps. Pressurized pipelines carry the compressed gas through the dehydration unit and outlet meter to the sales line.

2. Drips and minor leaks from the compressor, compressor engine and fluid pumps may drain into the underground sump. Fluids collected in the sump are periodically transferred to the 100 bbl used oil tank (See Figure 2).

3. The size and construction material of the collection units, including leak detection measures, is described in the table in Section V.

D. NMOCD Design Criteria

1. All storage tanks (used oil, EG, TEG and lube oil tanks) are surrounded by a 67' x 32' x 2' earthen berm. The capacity of the bermed area exeeds the required NMOCD criteria of one and one third times the capacity of the largest tank. None of the storage tanks are interconnected with a common manifold.

Tanks are supported above the soil on a 6" gravel pack contained in a steel ring.

The TEG regeneration skid is a self contained unit equipped with containment curbs to capture any leaks that may occur during the TEG regeneration process.

2. The below ground sump complies with OCD specifications. The sump is equipped with double walls and a leak detection system. The leak detection system is equipped with an inspection port to allow for periodic visual inspections.

E. Underground Pipelines

All underground process pipelines are new. Mechanical integrity testing is performed prior to start-up and on an as needed basis (during modification or repairs).

F. Proposed Modifications

All plant processes are closed pipe, contained in tanks, or otherwise controlled to prevent leakage. All storage, transfer, and containment systems meet the criteria described in "Guidelines for the Preparation of Ground Water Discharge Plans of Natural Gas Processing Plants, Oil Refineries, and Gas Compressor Stations" (NMOCD 5/92). No additional modifications are proposed at this time.

VIII. EFFLUENT DISPOSAL

A. On-Site Operations

This facility does not conduct any on-site waste disposal. All waste streams are taken off-site for recycling or disposal.

B. Off-Site Disposal

The following table provides information about off-site waste disposal:

Waste Stream	Shipment Method	Shipping Agent	Final Disposition	Receiving Facility
Produced Water	Truck	*See Note 1*	Class II Well	*See Note 2*
TEG Filters Oil Filters	Truck	Waste Management County Rd 3100 Aztec, NM	Filters are landfilled	Waste Management County Rd 3100 Aztec, NM
Antifreeze Spent Glycol	Truck	Contractor Varies	Recycled or stabilization / land farm or landfill	*See Note 3*
Used Oil	Truck	*See Note 1*	Recycled	Safety Kleen Corp. 4210 Hawkins Rd. Farmington, NM
Impacted Soil	Truck	Contractor Varies	Landfarmed	See Note 3
Solid Waste *(Trash/Refuse)*	Truck	Waste Management / Cooper Energy Services	Landfill	Waste Management County Rd 3100 Aztec, NM

Note 1: The trucking agent contracted to ship effluents off-site will be one of the following:

Dawn Trucking Co.
318 Hwy. 64
Farmington, New Mexico.

Key Trucking708
S. Tucker Ave.
Farmington, New Mexico

Safety-Kleen
4210 A Hawkins Rd
Farmington, NM

Note 2: The off-site Disposal Facility will be one of the following:

McGrath SWD #4
Sec. 34, T-30-N, R-12-W
San Juan County
New Mexico

Basin Disposal
Sec. 3, T-29-N, R-11-W
6 County Rd 5046
Bloomfield, New Mexico

Key Disposal
Sec. 2, T-29-N, R-12-W
323 County Rd. 3500
Farmington, New Mexico

Note 3: The shipping agent for this material will be one of the following companies:

Waste Management
Road 3100
Aztec, New Mexico

Tierra Environmental
Sec 2, T29N, R12W
San Juan Co., NM.
Farmington, New Mexico

Coastal Chemical Co.
10 Road 5911

Note 4: Operator approval for disposal of the shipped wastes to landfill:

Waste Management
C/R 3100 Aztec, NM

Profile # 025149, 025150,
0215149, 266263

IX. INSPECTION, MAINTENANCE AND REPORTING

A. Leak Detection/Site Visits

The sump incorporates NMOCD required secondary containment and leak detection systems.

All aboveground storage tanks are surrounded with an earthen containment berm that more than exceeds NMOCD's requirement of one and one third times the capacity of the largest tank.

Quinn is an unmanned facility that operates 24 hours per day, 365 days per year. Both contracted and BR personnel frequently visit the site to inspect the equipment and ensure proper operation of the station.

B. Precipitation/Storm Water Runoff

Storm water run-off does not come in contact with process waste streams. Precipitation that contacts the process equipment is collected in the process sump or contained within containment skids and allowed to evaporate. The facility pad is maintained and where necessary armored with gravel to minimize erosion and prevent surface accumulations of storm water. Containment areas and open top tanks are inspected periodically to monitor fluid levels.

A storm water plan is not a requirement of the EPA (Federal; Register/Vol. 55 No. 22, Friday, November 16, 1990). A storm water permit is necessary only if a facility has had a release of a reportable quanty of oil or a hazardous substance in storm water in the last three years. The Quinn Compressor Station has not had a release of a reportable quantity to date.

C. General Maintenance

A log documenting spill collection/prevention is maintained as part of a daily log of the station operator's activities and maintenance work. The log specifically addresses compressor maintenance, however the operator does inspect the general facility and the station's systems for spill collection /prevention on a routine basis. Maintenance findings are noted in a logbook and corrective action is documented.

X. SPILL/LEAK PREVENTION & REPORTING

A. Spill/Leak Potential

Potential sources of spills or leaks at this facility include the following:

1. Tank overflow or rupture
2. Overflow of equipment containment skids
3. Rupture of process pipelines
4. Pigging operations

Prevention of accidental releases from these sources is a priority of BR. Spill prevention is achieved through proper operating procedures and by an active equipment inspection and maintenance program. Spill detection is accomplished by routine visual inspection of facility equipment and monitoring of process instrumentation by contracted and BR personnel..

To reduce the risk of spilled process fluids from contacting the ground surface, BR has purchased self contained skids for process equipment with a high potential of a spill/leak. Each of the containment basins has a drain to the process sump to aid in fluid disposal.

B. Spill/Leak Control

General spill cleanup procedures may involve recovery of as much free liquid as possible, and minor earthwork to prevent migration. Recovered fluids would be transported off-site for recycling or disposal. Clean-up procedures will follow NMOCD's "Guidelines For Remediation of Leaks, Spills, and Releases" (August 13, 1993).

C. Spill/Leak Reporting

Should a release of materials occur, BR will notify the NMOCD in accordance with the provisions described in NMOCD Rule and Regulation #116 and WQCC Section 1203.

XI. SITE CHARACTERISTICS

A geotechnical report was generated to document physical characteristics of soils underlying Quinn for the purposes of construction. Documentation of the soils involved drilling three boreholes (ranging from 10' to 13.5' in depth), classifying and logging each soil type as it was encountered. The geotechnical survey is not included with this discharge plan.

A. Hydrologic Features

1. There are no known domestic water supplies or surface water bodies within one mile of Quinn.

2. Cathodic well data for production locations in the area indicated the depth to ground water to be greater than 250 feet. No ground water was encountered during test borings for the geotechnical survey.

3. Ground water flow direction is likely to be southwest, based on a review of topographic features at the site.

B. Geologic Description of Discharge Site

1. The geotechnical profile at the site is comprised of clay with varying amounts of sand, overlying formational sandstone to the total depth of the borings. Auger refusal was encountered in all three borings on the standstone.

2. The shallowest (closest to the surface) documented fresh water aquifer in this area is the San Jose Formation. Total Dissolved Solids (TDS) of water from this formation is estimated to be greater than 1700 mg/l on an avg. (New Mexico Bureau of Mines and Mineral Resources, 1983).

This formation is characterized by interbedded sandstone and mudstones. The thickness of the formation ranges up to nearly 2,700 feet, in the basin between Cuba and Gobernador. (New Mexico Bureau of Mines and Mineral Resources, 1983).

C. Flood Protection

The elevation of the Quinn facility is 6615 feet above sea level. This area is not typically subject to flooding therefore special flood protection measures were not incorporated into the design of the facility.

XII. ADDITIONAL INFORMATION

As stated previously, this facility does not intentionally discharge or dispose of any waste on-site. Containment and leak detection devices are installed and periodically inspected to insure proper operation. As a result, BR has demonstrated that approval of this plan will not result in concentrations in excess of the standards of Section 3-103 or the presence of any toxic pollutant at any place of withdrawal of water for present or reasonably foreseeable future use.

XIII. AFFIRMATION

"I hereby certify that I am familiar with the information contained in and submitted with this discharge plan, and that such information is true, accurate, and complete to the best of my knowledge and belief."

Name: Bruce A. Gantner Title: Environmental and Safety Manager

Signature: Bruce A. Gantner Date: 7/25/01

Name: Greg Kardos Title: Sr. Plant Supervisor

Signature: Greg Kardos Date: 7/25/01

PROPOSED LOCATION OF MERIDIAN OIL
QUINN COMPRESSOR STATION

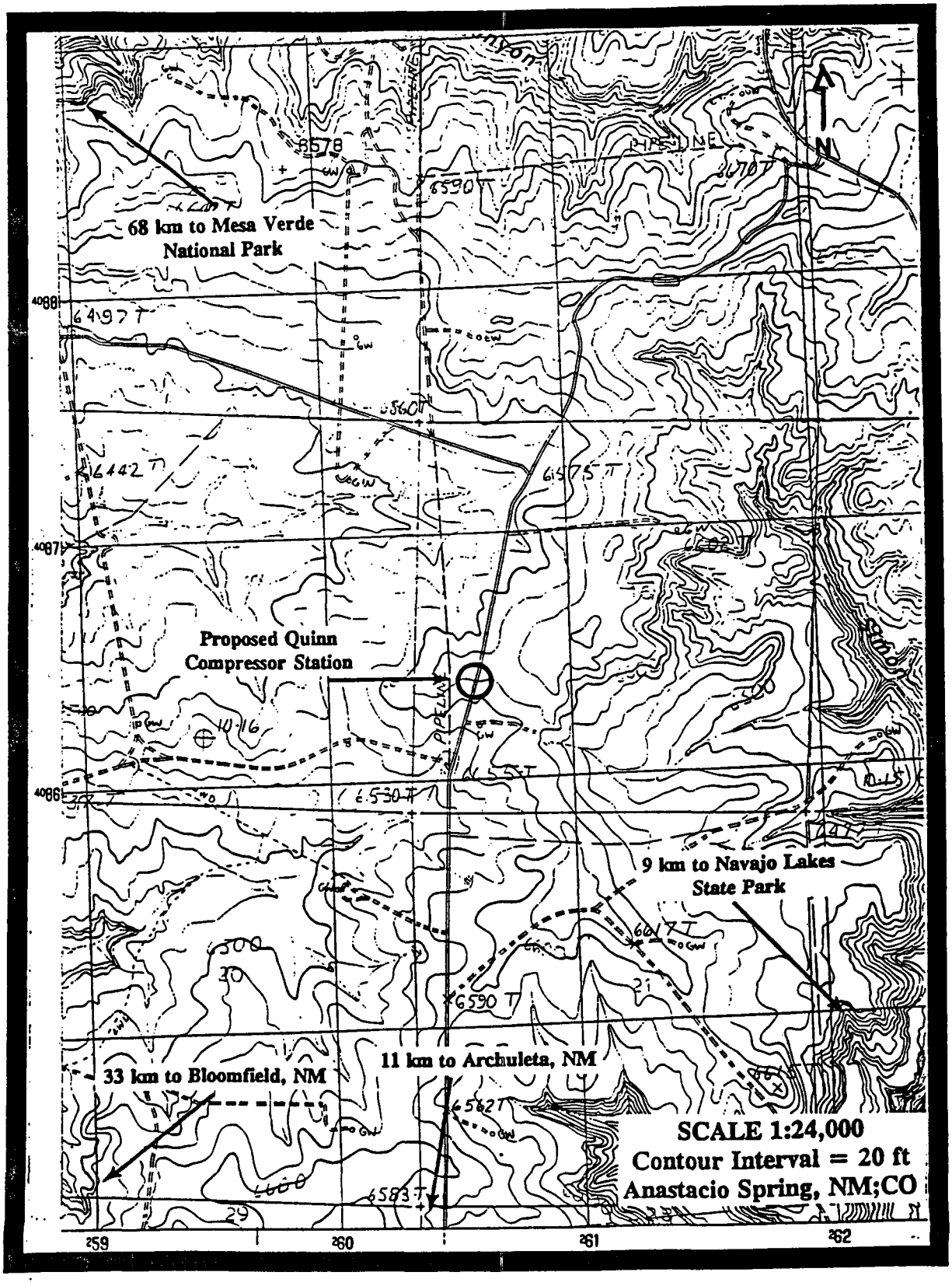
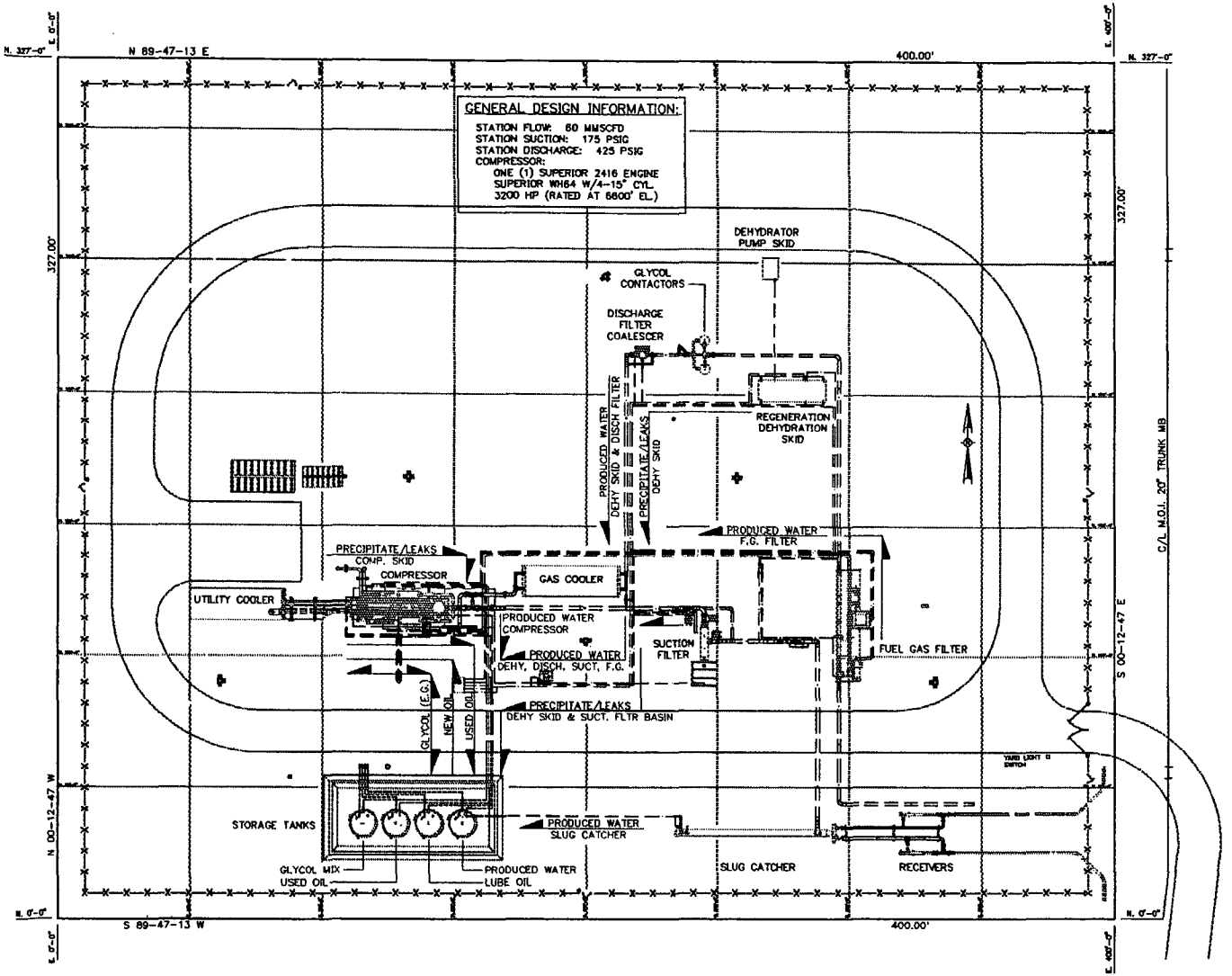


FIGURE 1: QUINN COMPRESSOR STATION



ANSI CLASS 150	ANSI CLASS 300	ANSI CLASS 600
ANSI CLASS 3000	EXISTING	

NOTES — LEGEND

DWG. NO.	TITLE
	REFERENCE DRAWINGS

NO.	REVISION — DESCRIPTION	DSP BY	DATE	CHK'D	APP'D
0	ORIGINAL ISSUE		1-16-95		

DWG. STATUS	CHECKED BY	CHECKED DATE	APPROVED BY	APPROVED DATE	APPROVED BY	APPROVED DATE
PRELY						
BID						
CONSTR						
CADDS						

PLOT DATE: Sun 21 Jan 1996 9:46 am

Prepared by TKE ENGINEERING & DESIGN Houston, Texas

500 HP COMPRESSION FACILITY

MERIDIAN OIL

QUINN COMPRESSOR STATION
GROUND WATER DISCHARGE
WASTE STREAM

SCALE: 1" = 20'-0"

QN_GRND_WATER_DISCH 0

FIGURE 2: QUINN COMPRESSOR STATION

Price, Wayne

From: Price, Wayne

Sent: Saturday, July 21, 2001 2:03 PM

To: 'lhasely@br-inc.com'

Cc: 'gwurtz@br-inc.com'

Subject: Discharge Plan (DP) Renewals

Dear Gentlemen:

Re:	Quinn	GW-239	expires 8/9/01
	Buena Vista	GW-255	expires 9/5/01
	Cedar Hill	GW-258	expires 9/30/01
	Middle Mesa	GW-077	expires 11/14/01

On March 06, 2001 OCD sent Burlington a reminder that the above discharge plans were due to expire. On June 05, 2001 OCD called Greg Wurtz to inform him of the discharge plan renewals. As of this date OCD has not received the Discharge Plan renewals and the required filing fee. Please note is usually takes a minimum of 60 days to review and approved discharge plans. 30 days of this is for public notice.

If Burlington wishes to renew these sites please submit the required DP application and $100 filing fee by July 27, 2001. Failure to comply may be reason for OCD to issue a Notice of Violation.

BURLINGTON
RESOURCES

SAN JUAN DIVISION

March 7, 2001
CERTIFIED MAIL RETURN RECEIPT NO.7099322000028981 3946

Wayne Price
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

RE: Burlington Resources Compressor Station Site Inspections 2000. **Manzanares GW-05, Gobernador GW-056, Pump Mesa GW-148, Quinn GW-239, Sandstone GW-193, Rattlesnake GW-093, Buena Vista GW-255, Pump Canyon GW-057, Hart Canyon GW-058, Cedar Hill GW-258, and Middle Mesa GW-07:**

Dear Mr. Price:

New Mexico Oil Conservation Division (OCD) conducted site inspections of 11 Burlington Resource's (BR) compressor stations that have discharge plan permits. Subsequent to these inspections OCD provided a list of inspection recommendations.

BR has successfully completed the recommendations detailed in OCD's inspection report. The written responses to each recommendation are provided in italic bold print following the OCD comment.

Manzanares GW-059:

1. Discharge of oil from the compressors is being deposited on the ground. ***BR removed the stained gravel, deeply raked the underlying soil, applied a remediation enhancing potassium permanganate solution and placed new gravel. An analysis of the cause of the contamination is being performed to identify the source of the hydrocarbon staining. The oil staining appears to be superficial, impacting only the surface gravel and top 2-3 inches of soil underlying the gravel. No direct cause has been determined except for over spray from the engine starter stacks located on this end of the building. The stacks were modified in 1999 with drains to prevent oil accumulations in stacks. Additional modifications to the design may be necessary.***

2. Oil stain found around wastewater tank. ***BR removed the stained gravel, deeply raked the underlying soil, applied a remediation enhancing potassium permanganate solution and covered the soil with new gravel. The tank integrity was visually verified as satisfactory and tank-gauging records do not indicate a tank leak has occurred. The likely source of the staining was an historic minor tank upset that may not have been completely cleaned from the sides and base of tank.***

Gobernador GW-056:

Compressor building drain lines will not hold pressure. ***BR proposed an alternative drain line test during the inspection. The test proposed and implemented was a volume in/volume out drain line test and an analysis of risk for the liquids transported in the drain line system. The volume in/volume out drain line test was successfully completed and demonstrated insignificant risks to the environment from the waste drain line system. A more complete description of the testing procedures and results are provided in Attachment 1.***

Pump Mesa GW-148:

1. Oil stain around produced water tank. ***BR applied a remediation enhancing potassium permanganate solution to the gravel. The staining was superficial and limited to the top surface of the gravel. The cause of the staining was believed to be a dump valve that may have stuck open causing over spray from the top of the tank where the dump line enters the tank.***

2. Oil stain around compressor sump pump. ***BR removed the stained gravel, deeply raked the underlying soil, applied a remediation enhancing potassium permanganate solution and placed new gravel. Hydrocarbon staining was limited to the top 2-4 inches of the soil underlying the gravel. The pump seals were replace and the pump no longer leaks oil.***

Quinn GW-239:

TEG and De-hydrator wastewater tank secondary liner is torn. ***The TEG tank was determined to be a double wall tank and in satisfactory condition. The plastic under the TEG was not replaced and the berm was left in place as tertiary containment. The containment liner under the dehydrator wastewater tank was replaced and berm rebuilt.***

Sandstone GW-193:

Tank farm area lube oil pump is leaking and produced water tank is wet around base. ***Replacing the pump seals repaired the lube oil pump. The gravel and soil around the pump was deeply raked and a remediation enhancing potassium permanganate solution was applied and new gravel placed. The oil contamination was limited to the top 2-4 inches of soil underlying the gravel The wet area around the tank was believed to be natural water and no contamination or tank problems were detected.***

Rattlesnake GW-093:

1. Motor oil and anti-freeze storage tanks do not have proper containment. ***Containments under both tanks were upgraded to meet OCD's requirements.***

2. Oil and water observed in condensate underground wastewater storage tank leak detector. ***The fiberglass wastewater storage tank was removed and replaced with a new metal tank. The condition of the fiberglass tank was satisfactory with no evidence of leaking. Historic contamination was detected adjacent to the wastewater tank and followed under the condensate storage tank during the excavation process. The source of the contamination was believed to be the storage tank. A laboratory sample for clean closure conformation was collected under this tank. The extent of contamination was determined to be limited to the extent of the bermed containment encompassing both storage tanks, approximately 20 feet x30 feet and 16 feet in depth at the deepest point. The impacted soils were removed and land farmed at the Quinn Compressor Station. The excavation was backfilled with clean soils and the facility was rebuilt. A diagram of the excavation and analytical results are included in Attachment 2.***

Buena Vista GW-255:

Submit most recent analysis from monitoring wells. ***The most recent ground water monitoring analysis is provided in Attachment 3. Ground water samples were collected quarterly between 5/96 and 5/98 with no constituents of concern detected. Included in the attachment is a letter from BR to BLM (June 25, 1998) recommending the four wells for plugging and abandonment.***

Pump Canyon GW-057:

Sign needs to be changed from Meridian to Burlington Resources. ***The sign has been changed to read Burlington Resources.***

Hart Canyon GW-058:

Main compressor building sump has lost mechanical integrity. ***The sump was removed and replaced with a new double walled tank with leak detection. No contamination was observed in the tank excavation. The old tank was pressure tested at the fabricators to determine the location of tank failure. The pressure test did not detect any leaks in the tank's primary or secondary walls. The old tank was determined to be in satisfactory condition and should not have been removed. A new procedure for tank integrity and leak detection testing is being developed.***

Cedar Hill GW-258:

Plant main vent system has oil accumulating on stack and system is located in stormwater drain area. ***The staining was caused by hydrocarbons and water that have accumulated in the Emergency Shut Down stack between shutdowns. Shut downs are infrequent and only in an emergency. The oil staining was observed to be insignificant and unlikely to contribute to a reportable storm water release. However, the soil was cleaned and will be monitored for future stack accumulations and any resulting soil staining will be remediated.***

Middle Mesa GW-077:

1. De-hydrator steam condensate wastewater tank needs proper containment. ***The tank was replace with a double walled tank.***

2. Outside west compressor-oil and water being discharged to ground. ***The gravel and soil, to a depth of 6 inches, was removed around the area adjacent to the compressor skid. The remaining soil was deeply raked and a bioremediation enhancing potassium permanganate solution was applied and new gravel placed. The compressor skid was redesigned to prevent oil and water from being discharged to the ground adjacent to the compressor.***

Common action items for all sites:

1. Burlington shall make minor modifications to all discharge plans to include a routine check for emptying all sumps and troughs. ***A Best Management Practice has been developed for this routine check of all sumps and containments.***

2. Burlington shall make minor modifications to all discharge plans up dating where all solid waste is being disposed of. ***The discharge plans provide this information on a table in Section VIII Effluent Disposal, Part B. Off-Site Disposal.***

If you have any questions please do not hesitate to contact me at 505-326-9537.

Sincerely;

J. Gregg Wurtz

J. Gregg Wurtz
Sr. Environmental Rep.
San Juan Division
505-326-9537

Cc: OCD Aztec Office
Attachments-3

Gobernador Waste Drain Line Test

The purpose of this Attachment is to document the successful completion of the drain line test at the Gobernador Compressor station on 11/29/00.

Background

The Gobernador Compressor Station has eight floor drains manifolded into one common 4 inch PVC drain line that flows to an outside sump tank and then to an above ground storage tank. The drain lines are below the concrete floor and collect mainly wash water and petroleum lubes and oils (POLs) generated from normal operation and maintenance of the compressor engines.

The drain lines were tested starting in April 2000 using a hydrostatic test procedure approved by OCD. The drain lines from the outside sump to the above ground storage tank and the sump inspection were tested successfully. The hydrostatic test of the drain lines from the sump to within the compressor building was unsuccessful. The drain lines inside the building failed because they were not able to hold the OCD specified static 3 p.s.i. pressure for 30 minutes. A small amount of pressure was lost during the test until a static level was achieved at ambient pressure and temperature at floor level.

To identify the cause of the test failure BR looked for any missed outlets or small cracks in the drain line that could have contribute to the loss in static pressure. Asbuilts for the station were reexamined for overlooked drain line outlets and all drain line lengths outside of the building were excavated and examined. No missed outlets or breaks in the drain lines were identified. No evidence of discharges was observed along the drain line excavated outside the building. The drain lines within the building are located under the concrete floor and surrounded by concrete and could not be excavated practically. The next step was to perform a visual inspection of the inside of the drain lines with a downhole video camera. The video determined that the condition of the inside of the drain lines was satisfactory and no obvious cracks or damage was observed.

The drain lines are constructed of PVC and designed for gravity flow at ambient pressure and are not designed to operate under pressure. It is important to note that the drain lines when hydrostatic tested are completely full of water but under normal day-to-day gravity flow conditions may only be 1/3 full. Therefore, a crack in the upper 2/3 of the drain line above normal flow height may lead to a failed hydrostatic test but no discharge under normal flow conditions.

Alternative Test

An alternative drain line test was proposed to OCD during a site inspection with Wayne Price, OCD Santa Fe and Denny Foust, OCD Aztec. The alternative test proposed was to use a specific volume in/volume out test for each segment of the drain line. A description of the procedures used to complete the volume in/volume out procedures is provided in

Attachment 1A. In addition, an assessment of the waste that could be potentially discharged by the drain lines was performed.

The volume in/volume out test recovered 100% for each drain line segment (see Table 1, Attachment 1A). The waste analysis based on pre-existing data detected no hazardous waste.

Risk Assessment

Constituent of Concern

An analysis of the products used at the compressor station determined that only POLs are collected in the drain lines at the facilities in significant quantities and no hazardous substances are permitted in the drain lines and sump system.

Under normal engine operation trace amounts of metals are contained in the used oil and these trace metals along with the POLs were identified as the primary constituents of concern for potential releases from the drain lines. Existing analysis preformed to chemically profile the waste water and used oil was used to determine potential risk to the environment. The analysis of the water and the used POLs was performed for detection of metals, Flash point, and total organic halogen and volatile organic compounds. The analytical results determined that the parameters tested were below WQCC standards except for Selenium in the waste water. The Selenium concentration was measured at 0.23 mg/l and the WCCC human health standard for ground water is 0.05mg/l. The analytical results for the water and used oils are provided in Attachment 1A.

The results of the alternative volume in/volume out test demonstrated that an insignificant amount of water or none at all under normal operating conditions is lost from the drain lines

Geology and Hydrology

The receptors for potential releases from the drain line system would be the geologic materials underlying the station and to a lesser extent the ground water beneath the station. The potential for the soil contamination migrating a significant distance and subsequent ground water impacts was determined to be minor based on the following: 1) the drain lines are buried in concrete during construction further inhibiting the release of liquids; 2) the compaction necessary of the soils prior to construction of the compressor facility minimizes infiltration; 3) the 100% recovery results of the drain line volume in/volume out test completed demonstrated insignificant quantity of lost fluid; and 4) the down hole video survey not detecting significant failure in the drain line.

The soils at the Gobernador station consist of a clayey and silty sand. The underlying bedrock formation is sandstone. The cathodic well data in the area indicates the depth to groundwater to be approximately 80 feet. No groundwater was encountered during the

geotechnical test borings to a depth of 25 feet. The aquifer most likely to be affected by a potential discharge in this area is the San Juan Formation. This formation is characterized by interbedded sandstones and mudstones and is approximately 2700 ft. in total thickness. The closest ephemeral stream is the Gobernador Wash approximately ¼ mi southwest of the facility.

The migration of the POLs in the soils beneath the compressor station may be limited based on the characteristics of the POLS and the porosity of soils being fine grained and well compacted. Typically, heavier hydrocarbons do not travel far from the source without facilitated transport (i.e., head pressure) when released into fine compacted soils. Moreover, the risk to human health and the environment from the POLs may be further minimized by the natural biodegradation of the potential hydrocarbons in the soils over time. This coupled with the low hydrologic conductivity of the soils and the lack of natural precipitation to facilitate vertical transport may prevent the potential of groundwater impacts during the life of the compressor station.

Conclusion

The drain lines at the Gobernador Compressor Station present an insignificant risk to human health and the environment. This conclusion was supported by the testing and analysis results including: 1) satisfactory integrity of drain lines excavated outside the building; 2) no major findings of drain line failure using a down hole camera inspection; 3) 100% recovery results of the volume in /volume out testing under normal operation of the drain lines at ambient pressure; 4) the physical characteristics of the liquids minimizing migration; and 5) the analysis of potential constituents of concern in the waste drain line liquids.

To this end, in the unlikely event a release did occur the extent of contamination maybe small and in close proximity to the source and may never impact the groundwater. Finally, a complete remediation of the site will be performed after the decommissioning and abandonment of the station.

Attachment 1A

Volume In/Volume Out Waste Drain Line Testing Procedures

Attachment 1A

Volume In/Volume Out Waste Drain Line Testing Procedures

Preparation

1. Steam clean drain lines and sump prior to test.

2. Install inlet plug with stop flow valve into sump where drain line enters sump. This will aid in the accurate collection of "volume out" water. One person will need to be inside the sump to collect water. Caution this is a confined space and the appropriate confined space permit, freash air, safety procedures and equipment must be used.

3. Use graduated plastic buckets to accurately pour water into and capture water from drain lines.

4. Prevent the introduction of in coming fluids during the test by blocking drain lines at the source.

Test

1. Start at the furtherest drain line inlet from sump. Mark volume in .01-foot increments on volume in and volume out buckets.

2. Volume In: Add 5 gallons of liquid to drain line starting at furthest drain line from sump and document time. Be careful to add water slowly and use funnel to avoid water splash loss.

3. Volume Out: At sump inlet measure return volume in graduated bucket. Allow for sufficient time (approximately 30 minutes) for water to return through drain line. Note time and volume of water collected.

Quality Assurance/Quality Control

1. Repeat one drain line segment test blind to the person collecting the "volume out" measurement inside the sump. Compare both original and repeat "volume out" measurements to document measurement precision.

2. Decrease by ½ gallon the known amount of the "volume in" water added to a randomly selected drain line segment. Do this decreased volume test blind to the person collecting the "volume out" measurement inside the sump. This check will verify "volume out" measurement accuracy

TABLE 1 VOLUME IN/VOLUME OUT TEST RESULTS GOBERNADOR COMPRESSOR STATION

Drain line	Vol. In (gallons)	Vol. Out (gallons)	Time (minutes)	Notes
1	5.0	5.0	20	Start at south engine. Water and .01 ft film of oil
2	5.0	5.0	18	Water and .01 ft film of oil recovered
3	5.0	5.0	18	Water and .01 ft film of oil recovered
4	5.0	5.0	18	Water and .01 ft film of oil recovered
4R	5.0R	5.0R	17R	Water and .01 ft film of oil. Repeat drain line
5	5.0	5.0	17	Water and .01 ft film of oil recovered
6	4.5	4.5	15	Water with .01 ft. film of oil recovered
7	5.0	5.0	15	Water and .03 ft film of oil recovered
8	5.0	5.0	14	Water and .02 ft film of oil recovered

Note:
Graduated bucket accuracy was 0.01 feet

imL Inter-Mountain Laboratories, Inc.
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WASTE OIL CHARACTERIZATION

Client: **Burlington Resources**
Project: BR-Compressor Stations
Sample ID: Gobernador Compressor
Laboratory ID: 0398G06966
Sample Matrix: Oil
Condition: Intact

Date Reported: 12/22/98
Date Analyzed: 12/14/98
Date Sampled: 11/10/98
Date Received: 12/03/98

Analyte	Result	Units	Maximum Allowable Level
Arsenic	<3.0	ppm	5
Cadmium	<0.20	ppm	2
Chromium	<0.5	ppm	10
Lead	<2.50	ppm	100
Flash Point	>140	°F	must exceed 100
Total Organic Halogens	<1000	ppm	1000-4000

ND - Analyte not detected at stated detection level.

References:

Analysis performed according to SW-846 "Test Methods for Evaluating Solid Waste: Physical / Chemical Methods" United States Environmental Protection Agency 3rd Edition, Final Update III, December, 1996.

Annual Book of ASTM Standards, Vol. 05.01, Method D808-81, 1985.
Annual Book of ASTM Standards, Vol. 15.04. Method D93-80, 1985.

Comments:

Reported by: _____ Reviewed by: _____

imL

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2506 West Main Street, Farmington, NM 87401

Client: Burlington Resources
Project: Compressor Stations
Sample ID: Water From Used Oil Tank
Lab ID: 0399W05762
Matrix: Liquid
Condition: Cool/Intact

Date Reported: 12/13/99
Date Sampled: 11/23/99
Date Received: 11/23/99
Date Analyzed: 12/03/99

Parameter	Analytical Result	PQL	MCL	Units
TCLP Metals - EPA Method 1311				
Arsenic	<0.1	0.1	5.0	mg/L
Barium	<0.5	0.5	100	mg/L
Cadmium	<0.01	0.01	1.0	mg/L
Chromium	0.05	0.02	5.0	mg/L
Lead	<0.1	0.1	5.0	mg/L
Mercury	<0.001	0.001	0.2	mg/L
Selenium	0.23	0.1	1.0	mg/L
Silver	<0.05	0.05	5.0	mg/L

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protecti Agency, Final Update 1, July 1992.

Reviewed By: _____
William Lipps

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Flash Point

Client:	**Burlington Resources**		
Project:	Compressor Stations	Date Reported:	12/13/99
Sample ID:	Water From Used Oil Tank	Date Sampled:	11/23/99
Laboratory ID:	0399W05762	Date Received:	11/23/99
Sample Matrix:	Liquid	Date Analyzed:	12/07/99
Condition:	Intact		

Analyte	Result	Units
Flash Point	>140	°F

References:

Analysis performed according to SW-846 "Test Methods for Evaluating Solid Waste: Physical / Chemical Methods" United States Environmental Protection Agency 3rd Edition, Final Update II, September, 1994.

Annual Book of ASTM Standards, Method D56.

Reported by: _____ Reviewed by: _____

iml
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TOXICITY CHARACTERISTIC LEACHING PROCEDURE
EPA METHOD 8260B
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client:	**Burlington Resources**	Date Reported:	12/08/99
Project ID:	*Compressor Stations*	Date Sampled:	11/23/99
Sample ID:	Water from used oil tanks	Date Received:	11/24/99
Laboratory ID:	0399W05762	Date Extracted:	NA
Sample Matrix:	Water	Date Analyzed:	12/01/99

Parameter	Analytical Result	Detection Limit	Regulatory Level	Units
Benzene	ND	0.05	0.5	mg/L
Carbon Tetrachloride	ND	0.05	0.5	mg/L
Chlorobenzene	ND	0.05	100	mg/L
Chloroform	ND	0.05	6.0	mg/L
1,2-Dichloroethane	ND	0.05	0.5	mg/L
1,1-Dichloroethylene	ND	0.05	0.7	mg/L
Methyl Ethyl Ketone (2-Butanone)	ND	1.25	200	mg/L
Tetrachloroethylene	ND	0.05	0.7	mg/L
Trichloroethylene	ND	0.05	0.5	mg/L
Vinyl Chloride	ND	0.05	0.2	mg/L

ND - Compound not detected at stated Detection Limit.

Surrogate Recovery	%	Limits
Dibromofluoromethane	97	86 - 118
Dichloroethane-d4	91	80 - 120
Toluene-d8	90	88 - 110
4-Bromofluorobenzene	92	86 - 116

Reference: Test Methods for Evaluating Water, Wastewater and Solid Waste, SW-846.U.S.E.P.A., Volume IB, Revision 2, December 1996.

Analyst

Reviewed

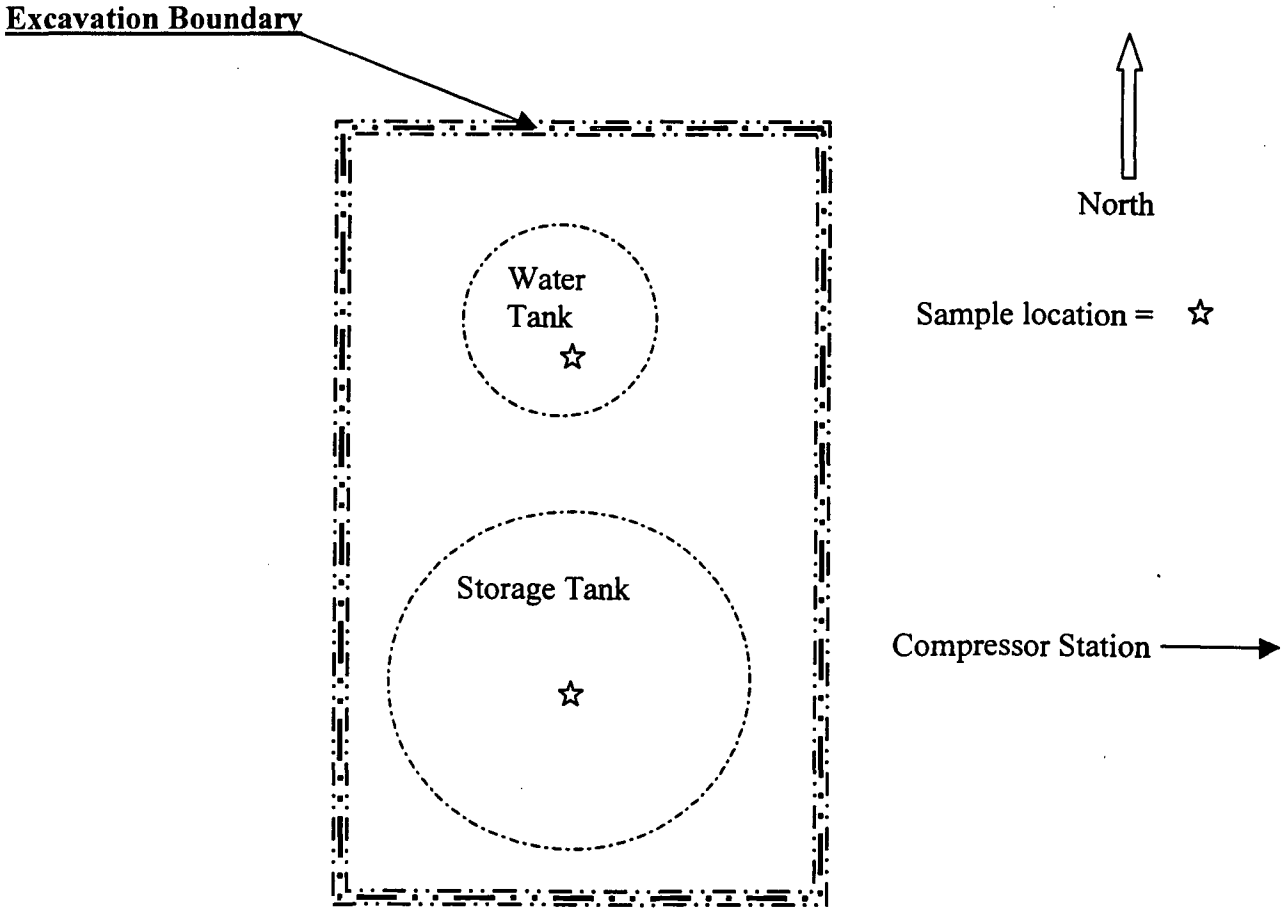
ATTACHMENT 2

**RATTLE SNAKE COMPRESSOR STATION
TANK WATER TANK REMEDIATION AND
REPLACEMENT**

Rattle Snake Compressor Station Fiberglass Waste Water Tank Replacement

Events

1. Area under both tanks excavated following the extent of soil contamination staining
2. Samples were collected at the deepest point of contamination under each tank.
3. The contamination was confined to area within berm perimeter (20 feet x 30 feet) and to a maximum depth under the storage tank of 16 feet.
4. Soil was replaced with clean fill and compacted and new water tank and the old storage tank were placed on liners and a berm reconstructed
5. Contaminated soil was land farmed at Quinn Compressor Station location



Sample from Water Tank collected at 8 feet PID field reading 0.0 ppm

Sample from Storage Tank collected at 16 feet BTEX = < 50 ug/kg
DRO/GRO = <30 ug/kg
PID = 0.0 ppm

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2506 West Main Street, Farmington, NM 87401

Client: Burlington Resources
Project: Rattlesnake Comp. St.
Sample ID: Rattlesnake 12/00
Lab ID: 0300W05574
Matrix: Soil
Condition: Intact

Date Reported: 01/03/01
Date Sampled: 12/19/00
Date Received: 12/20/00

Parameter	Analytical Result	PQL	Units
DRO - METHOD 8015AZ			
Diesel Range Organics (C10 - C22)	<30	30	mg/Kg
Diesel Range Organics as Diesel	<30	30	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
o-Terphenyl(SUR-8015)	92	70 - 130

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: _____
William Lipps

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2506 West Main Street, Farmington, NM 87401

Client: Burlington Resources
Project: Rattlesnake Comp. St.
Sample ID: Rattlesnake 12/00
Lab ID: 0300W05574
Matrix: Soil
Condition: Intact

Date Reported: 01/02/01
Date Sampled: 12/19/00
Date Received: 12/20/00

Parameter	Analytical Result	PQL	Units
BTEX - METHOD 8021B			
Benzene	<50	50	ug/Kg
Toluene	<50	50	ug/Kg
Ethylbenzene	<50	50	ug/Kg
Xylenes (total)	<150	150	ug/Kg

Quality Control - Surrogate Recovery	%	QC Limits
4-Bromofluorobenzene(SUR-8021B)	101	70 - 130

Reference: Method 8021b, Volatile Organic Compounds, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, United States Environmental Protection Agency, SW-846, Volume IB.

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Client: Burlington Resources
Project: Rattlesnake Comp. St.
Sample ID: Rattlesnake 12/00
Lab ID: 0300W05574
Matrix: Soil
Condition: Intact

Date Reported: 01/02/01
Date Sampled: 12/19/00
Date Received: 12/20/00

Parameter	Analytical Result	PQL	Units
GRO - METHOD 8015AZ			
Gasoline Range Organics(C6-C10)	<5	5	mg/Kg
Gasoline Range Organics as Gasoline	<5	5	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
4-Bromofluorobenzene(SUR-8015B)	101	70 - 130

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: _____
William Lipps

imi
Inter-Mountain Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSES / PARAMETERS
Burlington Resources	Rattlesnake Comp. St.	
Sampler: (Signature)	**Chain of Custody Tape No.**	
Gregg Wurtz		

Sample No./ Identification	Date	Time	Lab Number	Matrix	No. of Containers	BTEX	TPH GRO/DRO			Remarks
Rattlesnake 12/00	12/19/00	1500	[illegible]	Soil	1	✓	✓			Method 8015 mod.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Gregg Wurtz	12/20/00 12/19/00	1500	Karin Arrington	12/20/00	0940
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received by laboratory: (Signature)**	**Date**	**Time**

Inter-Mountain Laboratories, Inc.

☐ 555 Absaraka, Sheridan, Wyoming 82801, Telephone (307) 674-7506

☐ 1633 Terra Avenue, Sheridan, Wyoming 82801, Telephone (307) 672-8945

☐ 1701 Phillips Circle, Gillette, Wyoming 82718, Telephone (307) 682-8945

☒ 2506 West Main Street, Farmington, NM 87401, Telephone (505) 326-4737

☐ 11183 State Hwy. 30, College Station, TX 77845, Telephone (979) 776-8945

70466

ATTACHMENT 3

BUNEA VISTA COMPRESSOR STATION
GROUNDWATER MONITORING DATA

BUENA VISTA COMPRESSOR STATION

Quarterly Report for Groundwater Sampling

June 1998

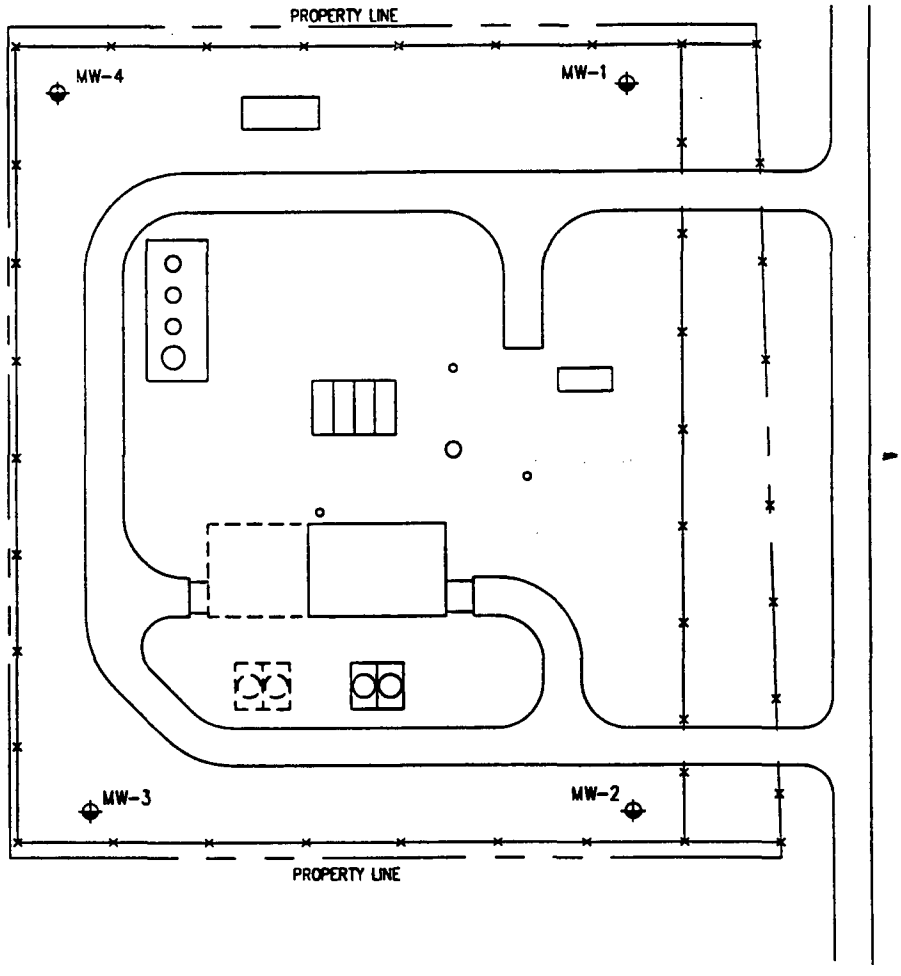
Prepared For

BURLINGTON RESOURCES OIL AND GAS COMPANY, FARMINGTON, NEW MEXICO

Project 16060

PHILIP SERVICES CORP.

4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262



LEGEND

MW-1 APPROXIMATE MONITORING WELL LOCATION AND WELL NUMBER

N

0 100'

FEET

NOTE: THIS FIGURE WAS PREPARED USING TRICON ENGINEERING, INC. SCHEMATIC, FILE NUMBER 8VEMA2.

PHILIP ENVIRONMENTAL

NO.	REVISION	BY	APPR.	DATE
△				

TITLE:

GROUNDWATER MONITORING WELLS
BUENTA VISTA COMPRESSOR STATION
SAN JUAN COUNTY, NEW MEXICO

SCALE	AS NOTED	DATE
DWN:	M.R.W.	9/16/96
DES:		
CHKD:		
APPD:		

PROJECT NO: 16060
BURLINGTON RESOURCES
SAN JUAN COUNTY, NM

FIGURE 1

REV: 0

DL. J:\16060\CIV\CL01-1

TABLE 1
SAMPLE RESULTS FROM GROUNDWATER SAMPLING
BURLINGTON RESOURCES OIL & GAS COMPANY
BUENA VISTA COMPRESSOR STATION

Location	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Chloro-benzene µg/L	1,2-Dichloro-benzene µg/L	1,3-Dichloro-benzene µg/L	Trichloro-fluoro-methane µg/L	TDS mg/L
MW-1	05/20/98	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2100
	11/19/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2100
	05/20/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	1100
	02/20/97	< 0.5	< 1.2	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2200
	11/20/96	< 0.5	3.4	0.5	2.2	< 0.6	< 0.7	< 1.1	< 0.6	2100
	08/29/96	< 0.5	< 0.5	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2200
	05/23/96	< 0.5	5.3	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	NA	2100
MW-2	05/20/98	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2300
	11/19/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2100
	05/20/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	1100
	02/20/97	< 0.5	< 1.2	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2300
	11/20/96	< 0.5	3.1	0.6	3.3	< 0.6	< 0.7	< 1.1	< 0.6	2300
	08/29/96	< 0.5	< 0.5	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2300
	05/23/96	< 0.5	5.3	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	NA	2400
MW-3	05/20/98	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	6100
	11/19/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	5600
	05/20/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2700
	02/20/97	< 0.5	< 1.2	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	4800
	11/20/96	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	4400
	08/29/96	< 0.5	< 0.5	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	4400
	05/23/96	< 0.5	5.4	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	NA	4000

µg/L = micrograms per liter
mg/L = milligrams per liter
BTEX Analysis by USEPA Method 8260
TDS Analysis by USEPA Method 160.1
NA - Data not available for this sampling event

PHILIP SERVICES CORP

TABLE 1
SAMPLE RESULTS FROM GROUNDWATER SAMPLING
BURLINGTON RESOURCES OIL & GAS COMPANY
BUENA VISTA COMPRESSOR STATION

CONTINUED

Location	Date Sampled	Benzene µg/L	Toluene µg/L	Ethyl-benzene µg/L	Total Xylenes µg/L	Chloro-benzene µg/L	1,2-Dichloro-benzene µg/L	1,3-Dichloro-benzene µg/L	Trichloro-fluoro-methane µg/L	TDS mg/L
MW-4	05/20/98	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2500
	11/19/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	2800
	05/20/97	< 0.5	< 1.2	< 0.5	< 0.8	< 0.6	< 0.7	< 1.1	< 0.6	1400
	02/20/97	< 0.5	< 1.2	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2600
	11/20/96	< 0.5	< 1.2	0.5	0.8	< 0.6	< 0.7	< 1.1	< 0.6	2300
	08/29/96	< 0.5	< 0.5	< 0.5	< 1.3	< 0.6	< 0.7	< 1.1	< 0.6	2600
	05/23/96	2.5	18	< 2.0	9.7	< 0.6	< 0.7	< 1.1	NA	2500

µg/L = micrograms per liter
BTEX Analysis by USEPA Method 8260
NA - Data not available for this sampling event

mg/L = milligrams per liter
TDS Analysis by USEPA Method 160.1

PHILIP SERVICES CORP

BURLINGTON RESOURCES

SAN JUAN DIVISION

June 25, 1998

Dale L. Wirth
Bureau of Land Management
1235 La Plata Highway
Farmington, New Mexico 87401

Re: Buena Vista Compressor Station
Groundwater Sampling Event

Dear Mr. Wirth:

Burlington Resources Oil and Gas Inc. (BR) is supplying you with a copy of the final Buena Vista Compressor Station Semi-Annual Report for Groundwater Sampling. The final sampling event took place on May 20, 1998. As with the previous sampling, laboratory results indicated that all tested parameters were below laboratory detection limits, except total disolved solids.

All groundwater sampling was done to meet the Buena Vista Environmental Assessment Requirements. Now that these requirements have been met, BR recommends plugging and abandoning the four monitoring wells. Please respond in writing indicating your concurrence.

If you have any questions regarding this submittal, please contact me at (505) 326-9841.

Sincerely,

Ed Hasely
Sr. Staff Environmental Representative

Enclosure: (1) Report for Groundwater Sampling, June 1998

cc: Bruce Gantner - BR
Rick Benson - BR
Buena Vista C.S. Facility File

File: Buena Vista\Groundwater Monitoring & Reports
s:\2-envnmt\grndwatr\facility\bunavsta\corresp\~~dec97~~.doc

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

Memorandum of Meeting or Conversation

Called Greg Wantz 6/05/01 REMINDER! LP

Telephone __X__
Personal _____
E-Mail __X____
FAX: _____

Date: March 6, 2001

Originating Party: Wayne Price-OCD

Other Parties: Ed Hasely-Burlington Resources

Subject: Discharge Plan Renewal Notice for the following Facilities:

GW- 239	**Quinn Compressor St**	**expires**	**8/9/01**
GW- 255	**Buena Vista Compressor St.**	**expires**	**9/5/01**
GW- 258	**Cedar Hill Compressor St.**	**expires**	**9/30/01**
GW- 077	**Middle Mesa**	**expires**	**11/14/01**

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]

Discussion: Gave notice to submit Discharge Plan renewal application with $100.00 filing fee for the above listed facilities.

Conclusions or Agreements:

Wayne Price

Signed:_____

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

November 14, 2000

CERTIFIED MAIL
RETURN RECEIPT NO. 5051 4560

Mr. Greg Wurtz
Burlington Resources
P.O. Box 4289
Farmington, NM 87499-4289

RE: Site Inspections

Dear Mr. Wurtz:

New Mexico Oil Conservation Division (OCD) recently conducted site inspections of several Burlington Resources (BR) compressor stations that currently have discharge plan permits. Please find enclosed a copy of these inspection reports including photos for your files. Below is a summary of action items required to be addressed by Burlington Resources:

Manzanares GW-059:

1. Discharge of oil from the compressors are being deposited on the ground. (see picture #2)
2. Oil stain found around waste water tank. (see picture #3)

Gobernador GW-056:

1. Compressor building drain line will not hold pressure.

Pump Mesa GW-148:

1. Oil stain around produced water tank. (see picture #2)
2. Oil stain around compressor sump. (see picture #3)

Quinn GW-239:

1. TEG and De-hydrator waste water tank secondary liner is torn. (see picture #2)

Sandstone GW-193:

1. Tank farm area- lube oil pump is leaking and produced water tank is wet around base.

Rattlesnake GW-093:

1. Motor oil and anti-freeze storage tanks do not have proper containment.
2. Oil and water observed in condensate underground wastewater storage tank leak detector. (see picture 2&3)

Bunea Vista GW-255:

1. Submit most recent analysis from monitoring wells.

Pump Canyon GW-057:

1. Sign needs to be changed from Meridian to Burlington Resources. (see picture #1)

Hart Canyon GW-058:

1. Main Compressor sump has lost mechanical integrity. (see picture #3)

Cedar Hill GW-258:

1. Plant main vent system has oil accumulating on stack and system is located in stormwater drain area. (see picture #2)

Middle Mesa GW-077:

1. De-hydrator steam condensate wastewater tank needs proper containment. (see picture #2)
2. Outside west compressor-oil and water being discharged to ground. (see picture #3)

Common action items for all sites:

1. Burlington shall make minor modifications to all discharge plans to include a routine check for emptying all sumps and troughs.
2. Burlington shall make minor modifications to all discharge plans up dating where all solid waste is being disposed of.

Please provide a detail report for each action item listed above showing your corrective actions taken and/or findings by January 15, 2001.

If you have any questions please do not hesitate to call me at 505-827-7155.

Sincerely;

Wayne Price- Pet. Engr. Spec.

Cc: OCD Aztec Office
Attachments-11

OCD ENVIRONMENTAL BUREAU

SITE INSPECTION SHEET

DATE: 11-7-00 Time: 1:00 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-239

FACILITY NAME: QUINN COMP. St

PHYSICAL LOCATION: _____

Legal: QTR___ QTR SW Sec 16 TS 31N R 8W County SAN JUAN

OWNER/OPERATOR (NAME) BURLINGTON RESOURCES

Contact Person:_____ Tele:#_____

MAILING

ADDRESS:_____ State_____ ZIP_____

Owner/Operator Rep's: GREG WURTZ

OCD INSPECTORS: PRICE & FOUST

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.

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.

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.

TEG & DE-HY WASTE WATER TANK SECONDARY LINER IS TORN & RIPED.

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.

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

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.

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.

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.

PRODUCED WATER IS DISPOSED OF AT McGRATH SWD OFF-SITE OWNED BY Burlington

USED OIL PICKED-UP BY SAFETY CLEAN for RE-CYCLING

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.

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

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

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

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

GW DEPTH ≈ 250'

Miscellaneous Comments:

Number of Photos taken at this site: PIC #1 - SIGN
attachments- #2 - DE-HYD USES TEG + STILL

OCD Inspection Sheet
Page ___ of ____

OCD Inspection November 07, 2000
Pictures by Wayne Price-OCD
Burlington Resources- Quinn Comp. ST GW-239

Picture #1- Sign

Picture #2- TEG Storage tank and De-hydrator waste water tank. Secondary liner is torn on both.

BURLINGTON RESOURCES

SAN JUAN DIVISION

May 18, 1999

Certified Mail: Z 186 732 837

New Mexico Energy, Minerals
& Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, NM 87505

Attention: Wayne Price

Re: Compressor Station Sump Integrity Inspections

Dear Mr. Price:

The purpose of this correspondence is to provide your office with written notice that the following compressor stations are to be visually tested during a three-day time frame starting May 25th, 1999:

May 25th	**May 26th**	**May 27th**
Pump Canyon	Hart	Manzanares
Buena Vista	Arch Rock	Gobernador
Sandstone	Rattlesnake	Frances Mesa
Quinn	Cedar Hill	Sims Mesa
Pump Mesa		
Middle Mesa		

As required under OCD Discharge Plan Special Condition # 8:

"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".

As a result, to comply with this condition the above dates have been scheduled for cleaning out the sumps and visually inspecting each unit. Before the inspection commences, the sumps will be completely emptied and the lids removed to allow access to each unit. To complete the tests within a three-day time frame, the facilities have been logistically organized by area and the test will start each day at 7:30 a.m. at the first facility.

By providing written notice to OCD regarding these tests, it is Burlington Resources intentions to comply with the "72 hours prior to all testing" notification requirement contained in Condition #8. I thank you for your time and consideration and should you have any questions regarding this correspondence please feel free to contact me at 505-326-9537.

Sincerely,

Jeffery T. Schoenbacher
Environmental Representative

CC: Bruce Gantner
Ed Hasely
Ken Johnson
Kevin Johnson
Denny Foust, OCD District Office
Correspondence

JTS:

3535 East 30th St., 87402-8801, P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700, Fax 505-326-9833

BURLINGTON RESOURCES

SAN JUAN DIVISION

6/1/1999

JUN - 3

New Mexico Energy, Minerals
& Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, NM 87505

Attention: Wayne Price

Re: Compressor Station Sump Integrity Inspections

Dear Mr. Price:

The purpose of this correspondence is to provide your office with the results of the compressor stations visual test that was conducted at the following locations:

Pump Canyon	Hart	Manzanares
Buena Vista	Arch Rock	Gobernador
Sandstone	Rattlesnake	Frances Mesa
Quinn	Cedar Hill	Sims Mesa
Pump Mesa	Middle Mesa	

The purpose of the test was to comply not only with the terms and conditions of the original OCD Discharge Plans, but also to satisfy special condition 8. To complete the visual inspection of the sumps, Scat Hot Wash was employed to pressure wash the interior. After the unit was steam cleaned, the residual liquid was removed to allow all areas of the sump to be examined. During the sump inspection no pitting of the steel was observed and the welds appeared to be adequate for sustaining structural integrity.

I thank you for your time and consideration and should you have any questions regarding this correspondence please feel free to contact me at 505-326-9537.

Sincerely,

Jeffery T. Schoenbacher
Environmental Representative

CC: Bruce Gantner
Ed Hasely
Ken Johnson
Kevin Johnson
Denny Foust, OCD District Office
Correspondence

JTS:

3535 East 30th St., 87402-8801, P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700, Fax 505-326-9833

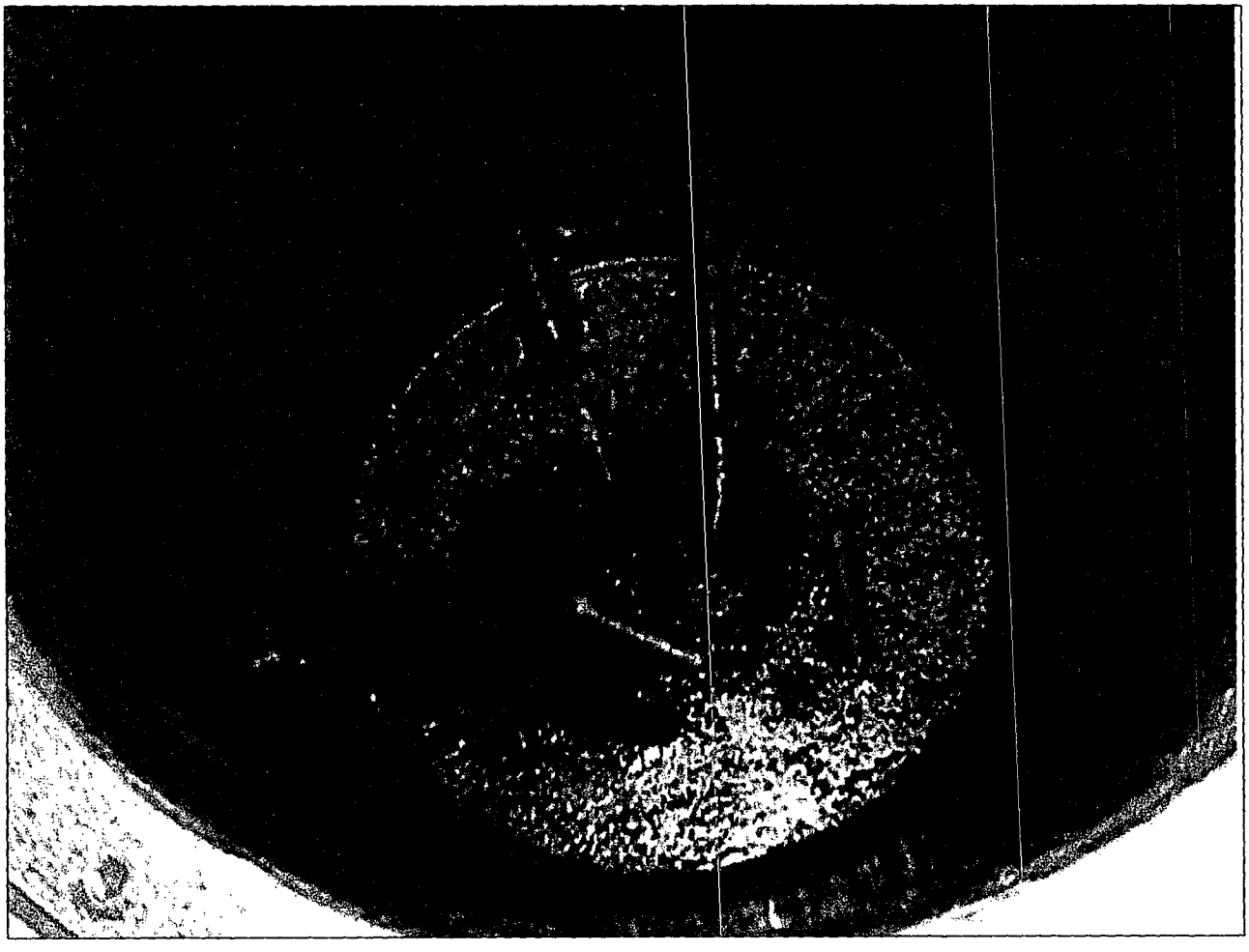
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Arch Rock*
Section:	14
Township	32N
Range:	11W
Date of Inspection:	5/26/99
Plan Expiration Date:	2/21/00
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments:

spector:

Environmental Representative

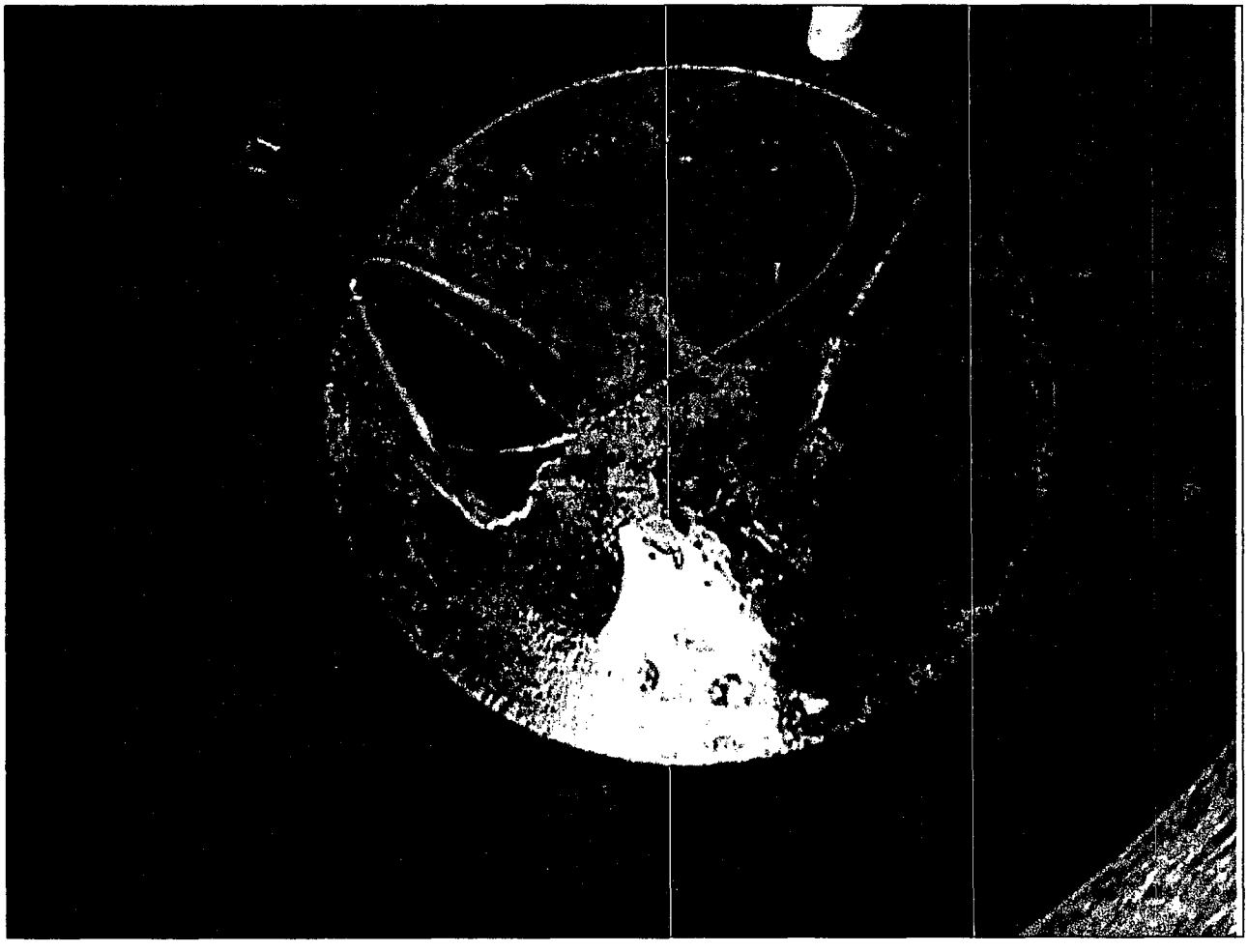
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Buena Vista*
Section:	13
Township	30N
Range:	9W
Date of Inspection:	5/25/99
Plan Expiration Date:	9/5/01
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector:

Environmental Representative

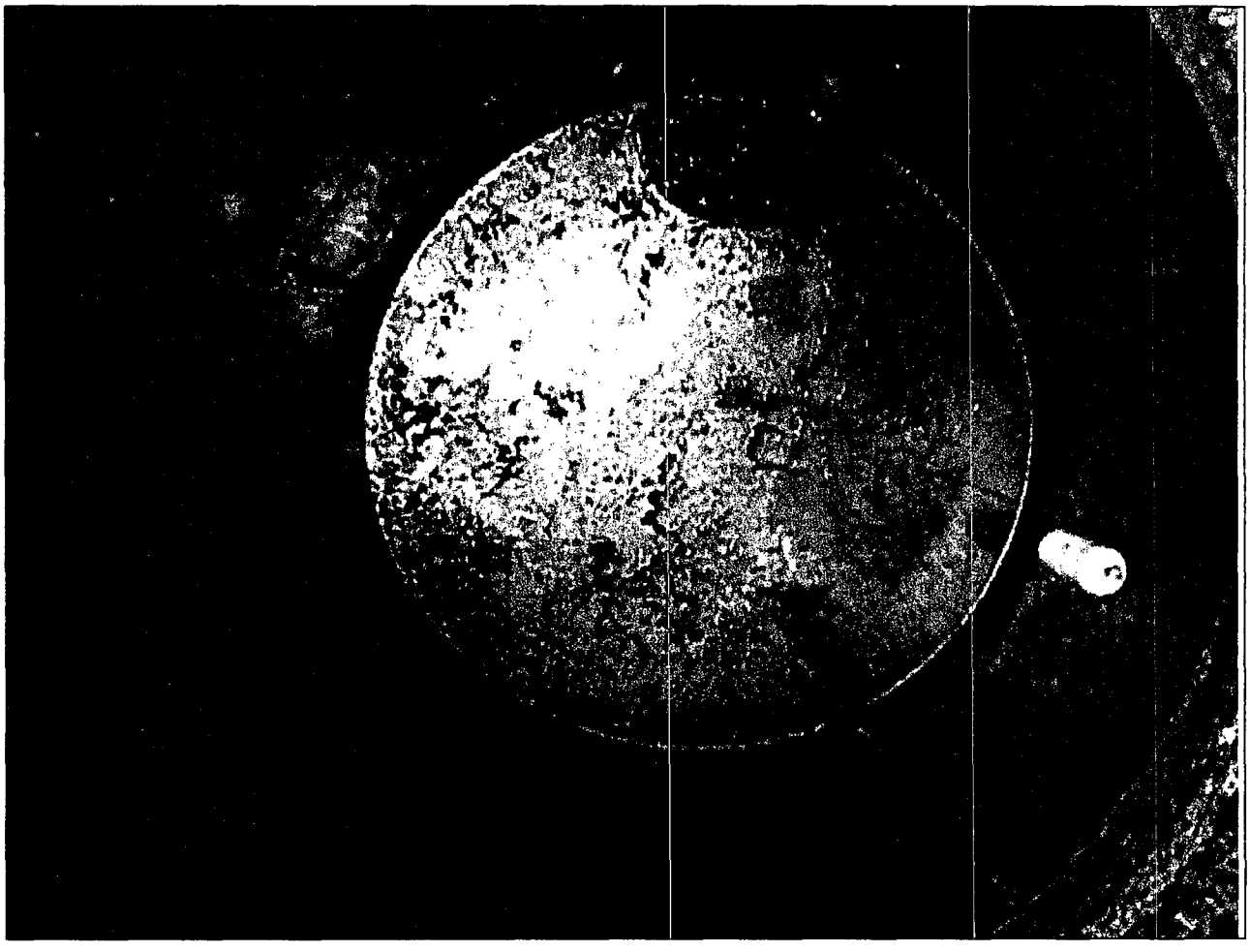
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Cedar Hill*
Section:	29
Township	30N
Range:	10W
Date of Inspection:	5/26/99
Plan Expiration Date:	9/30/01
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

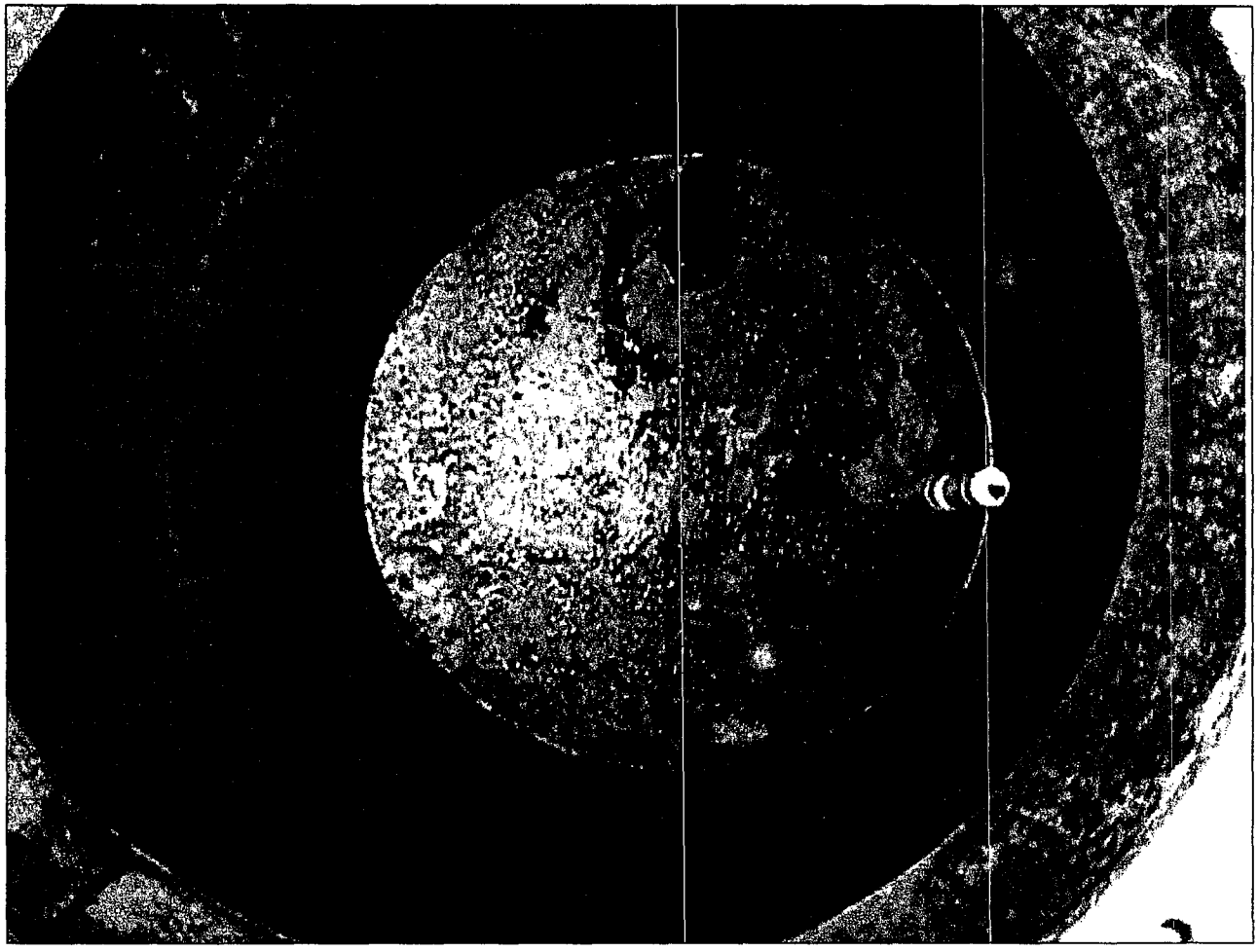
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Frances Mesa*
Section:	27
Township	30N
Range:	7W
Date of Inspection:	5/27/99
Plan Expiration Date:	6/9/00
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

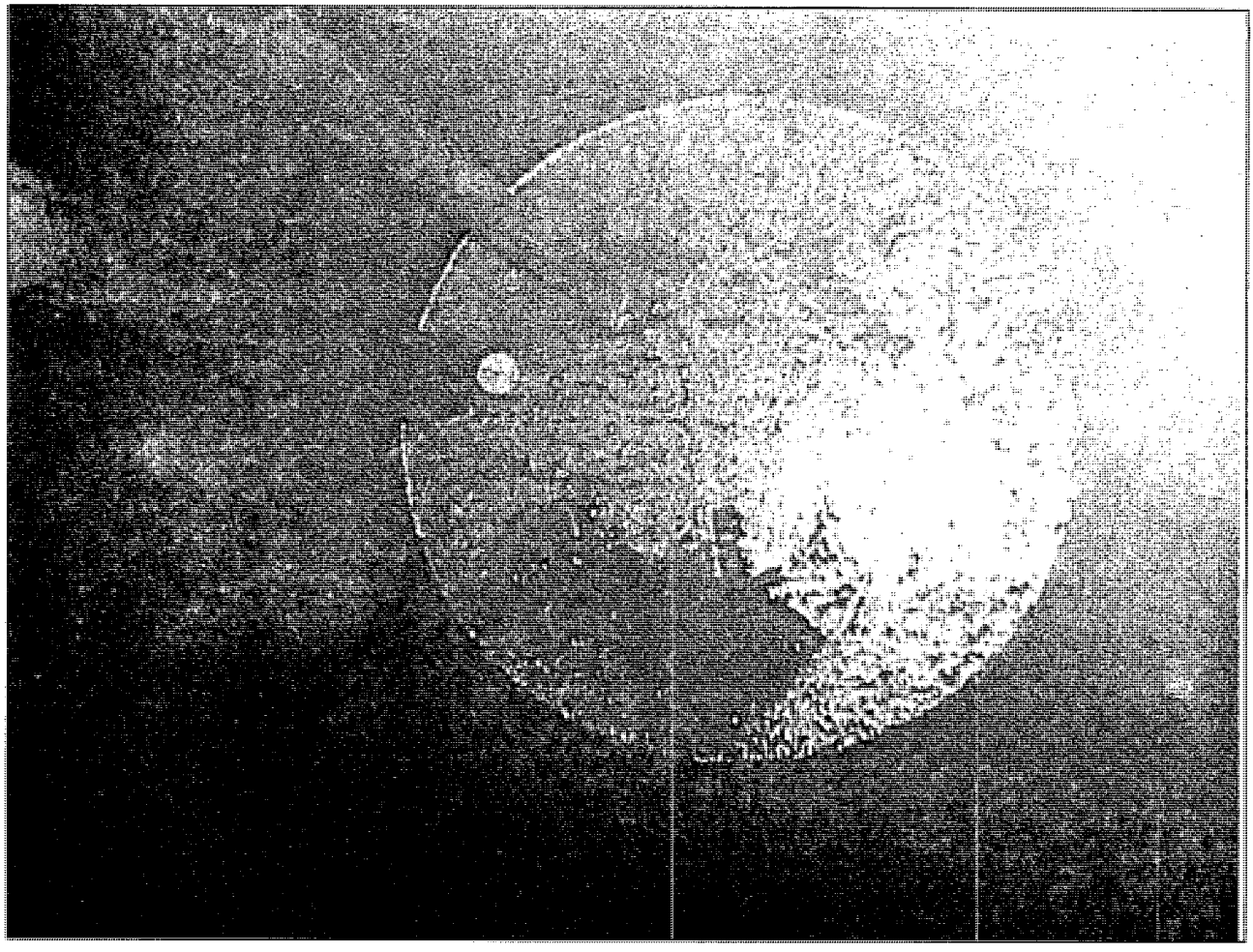
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Gobernador Compressor*
Section:	10
Township	31N
Range:	7W
Date of Inspection:	5/26/99
Plan Expiration Date:	1/11/00
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

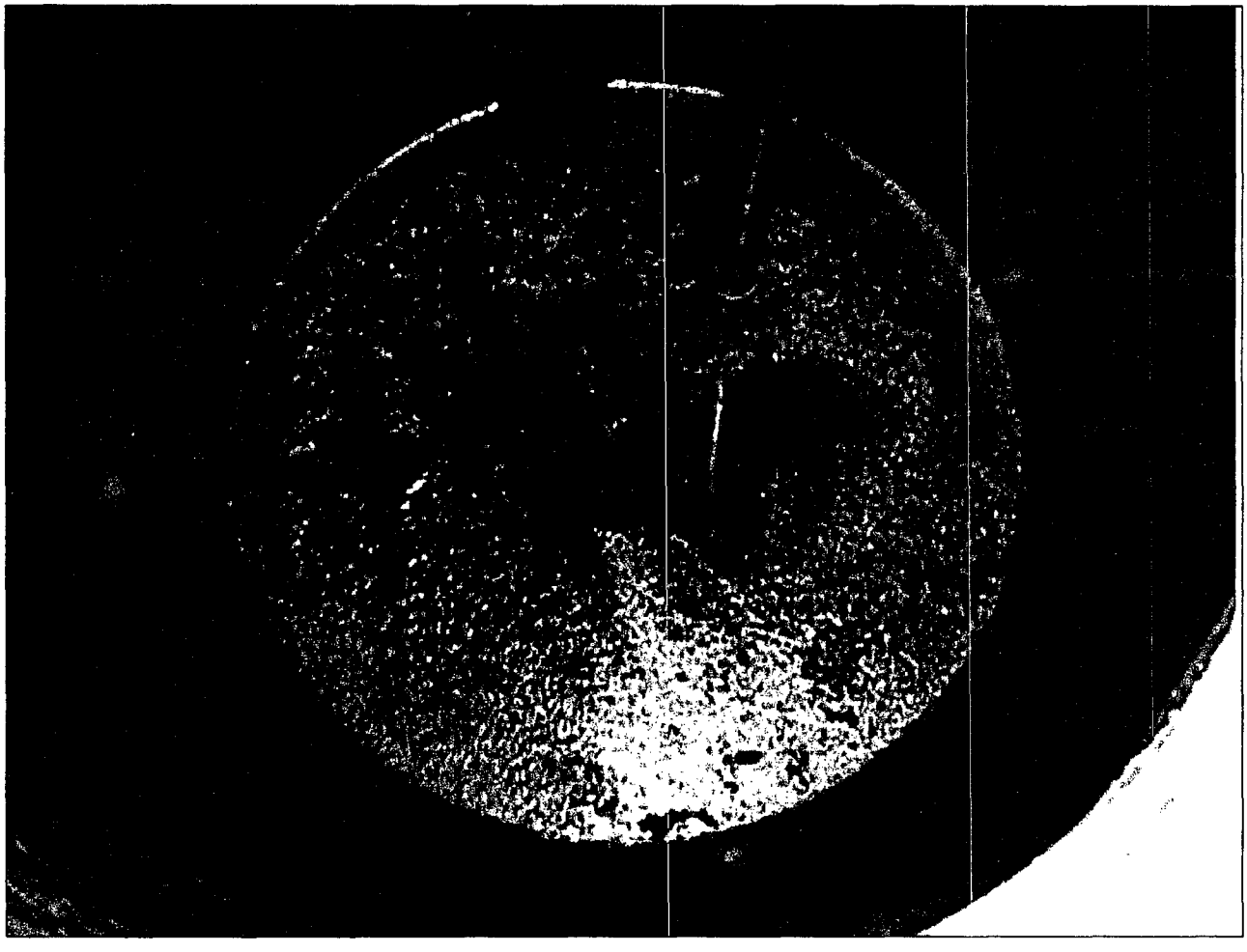
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Hart Canyon*
Section:	20
Township	31N
Range:	10W
Date of Inspection:	5/26/99
Plan Expiration Date:	0/11/00
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

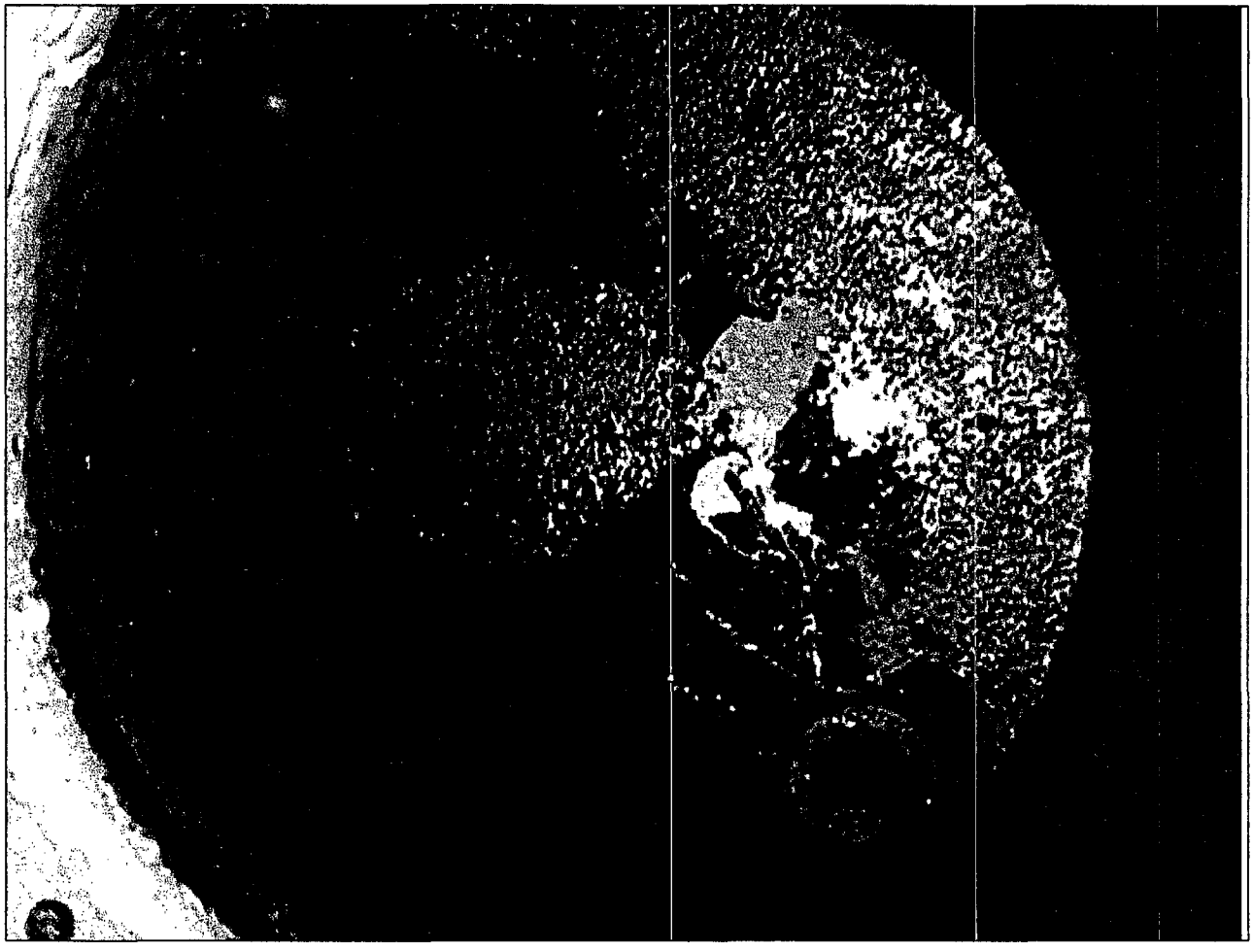
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Manzanares*
Section:	4
Township	29N
Range:	8W
Date of Inspection:	5/27/99
Plan Expiration Date:	0/11/00
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

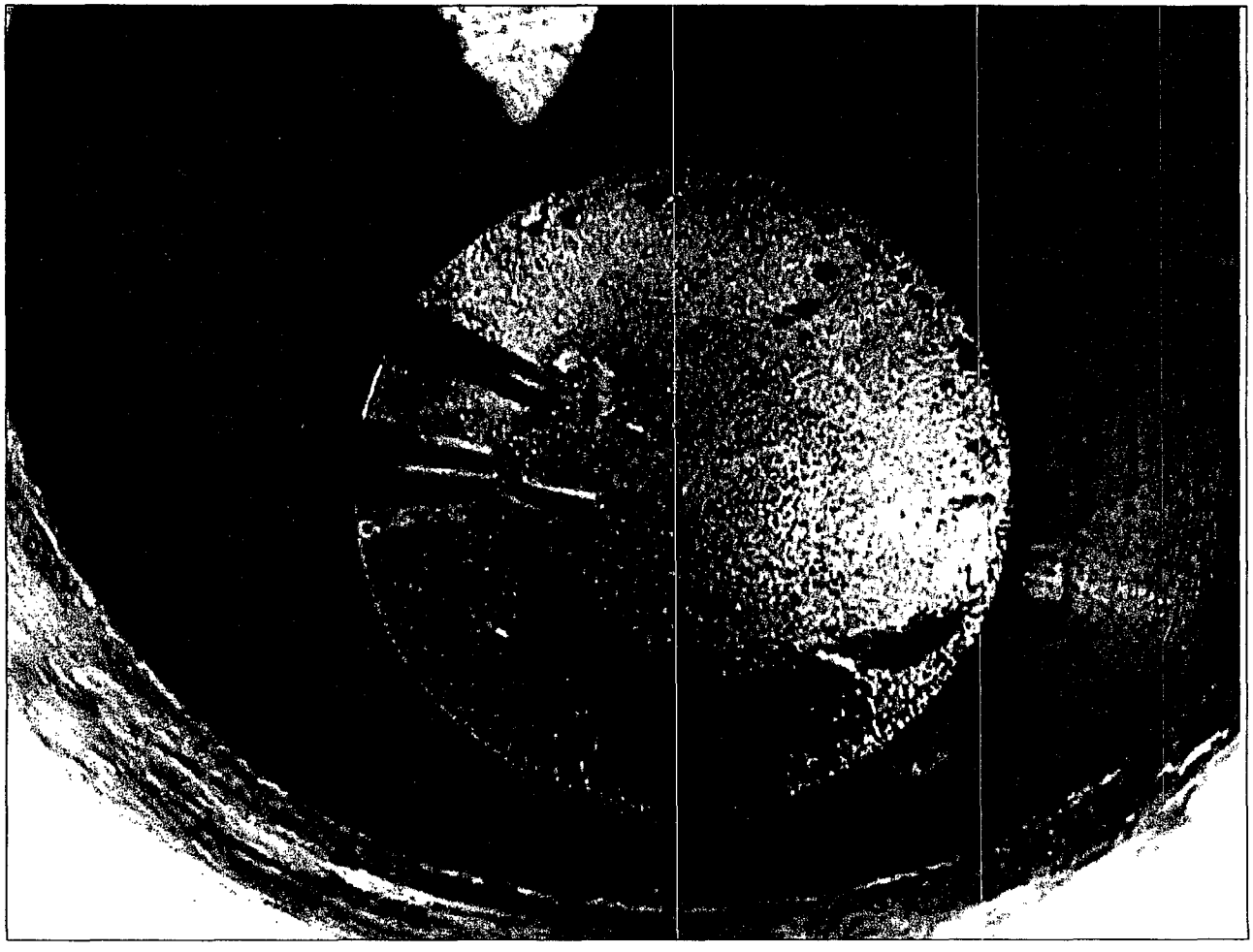
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Middle Mesa Compressor*
Section:	10
Township	31N
Range:	7W
Date of Inspection:	5/26/99
Plan Expiration Date:	1/14/01
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

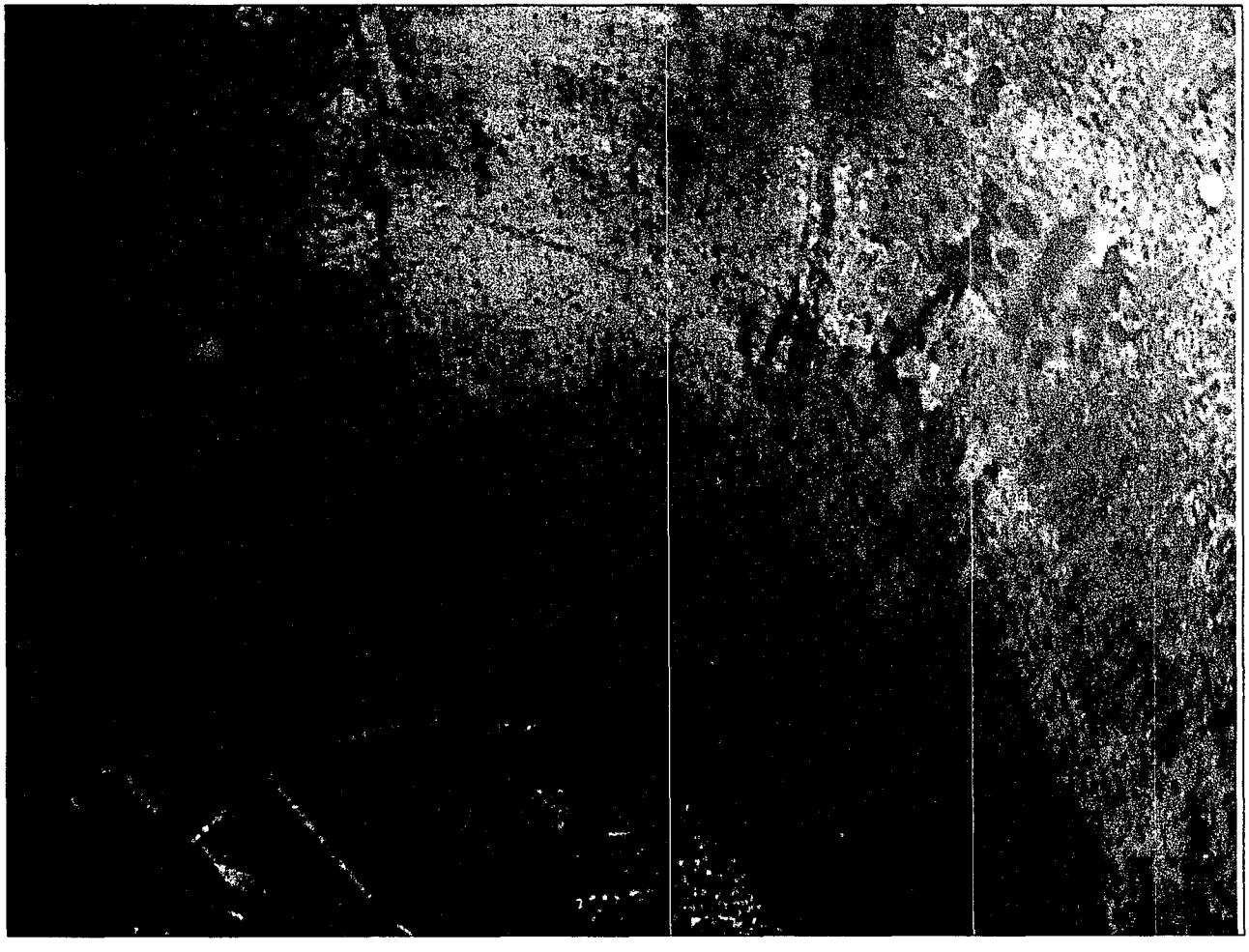
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Pump Canyon*
Section:	24
Township	30N
Range:	9W
Date of Inspection:	5/25/99
Plan Expiration Date:	11/7/00
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

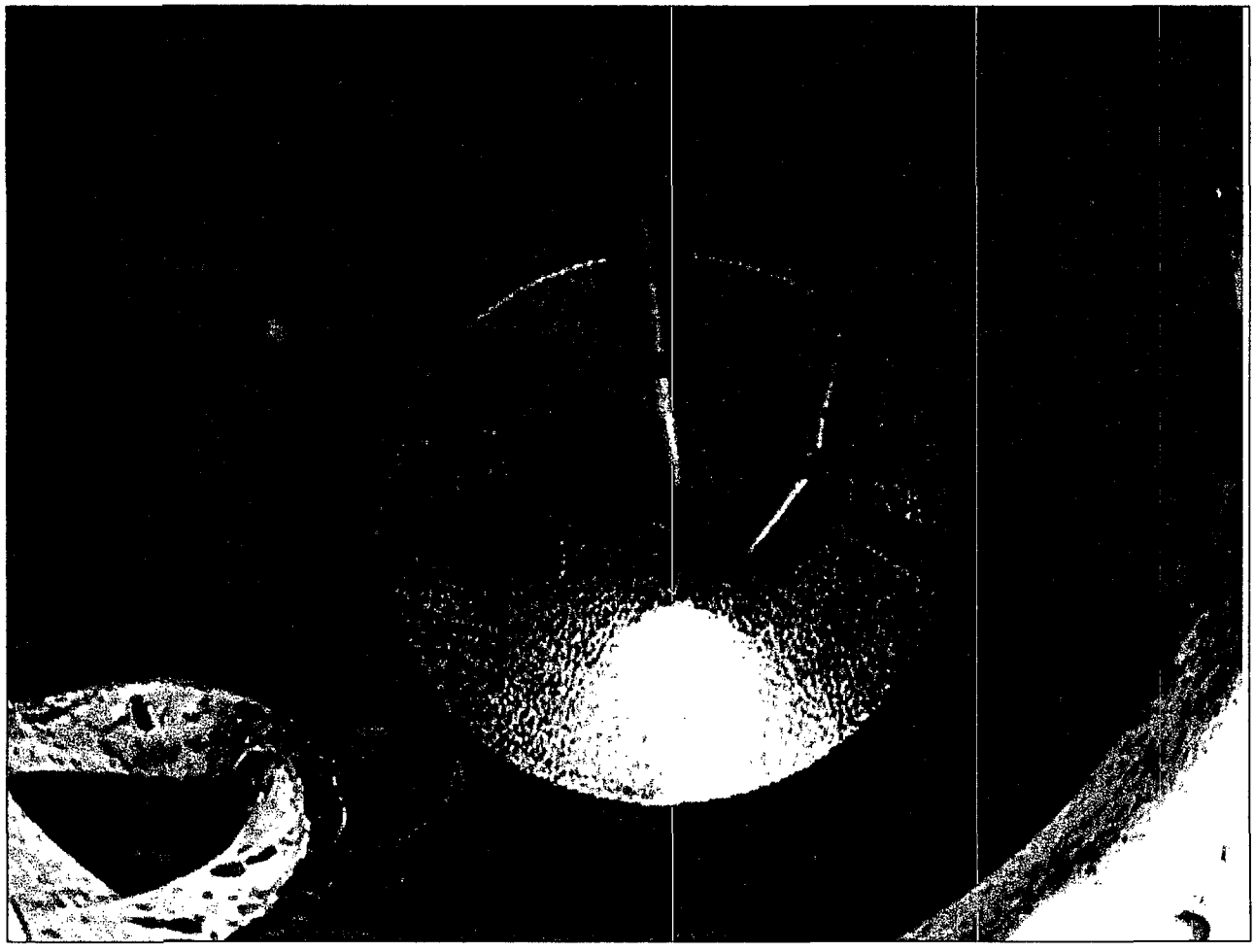
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Pump Mesa*
Section:	27
Township	30N
Range:	7W
Date of Inspection:	5/25/99
Plan Expiration Date:	8/19/03
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections. OCD was not present.*

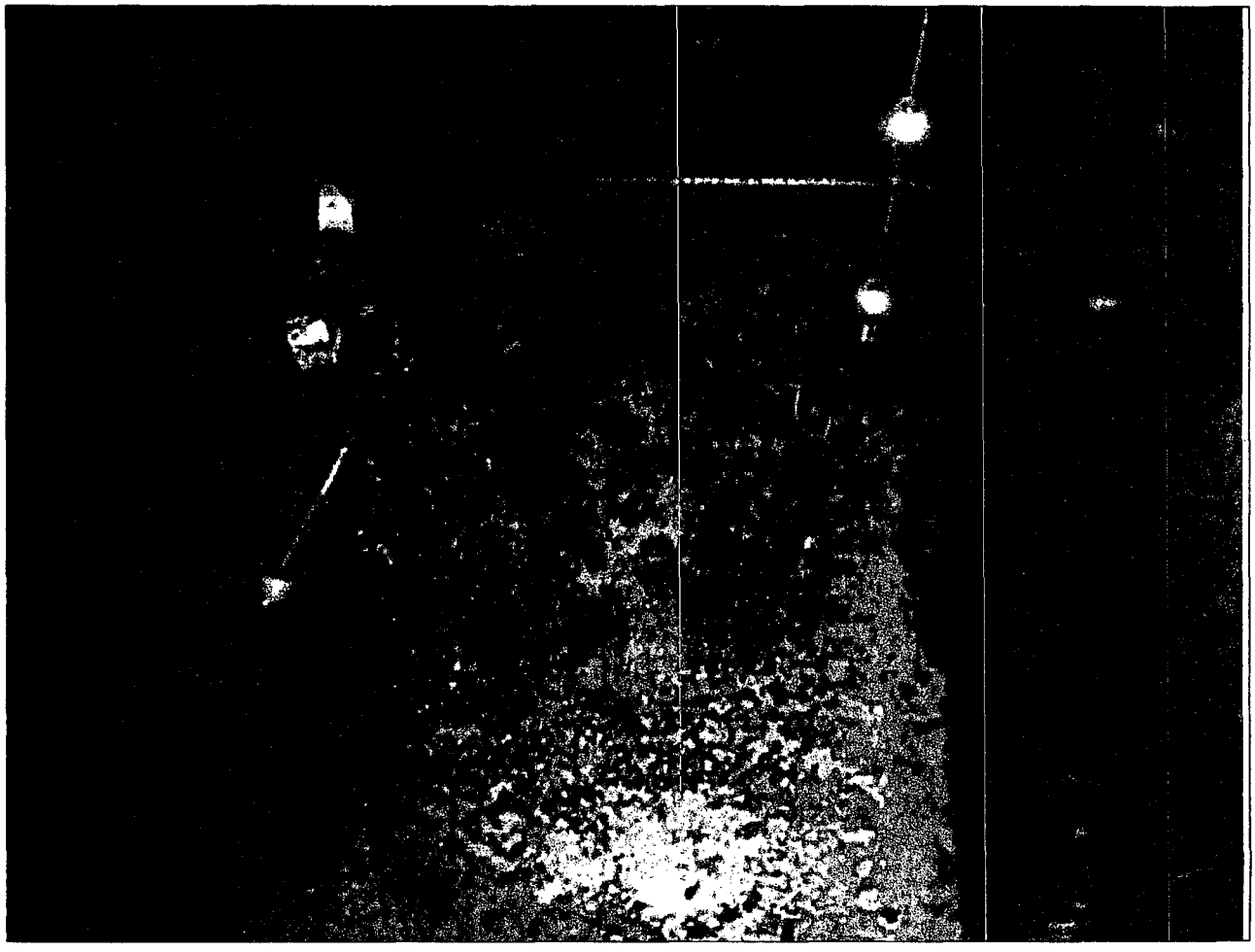
Inspector: _____
Environmental Representative

Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289
Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Quinn*
Section:	16
Township	31N
Range:	8W
Date of Inspection:	5/25/99
Plan Expiration Date:	8/9/01
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector:

Environmental Representative

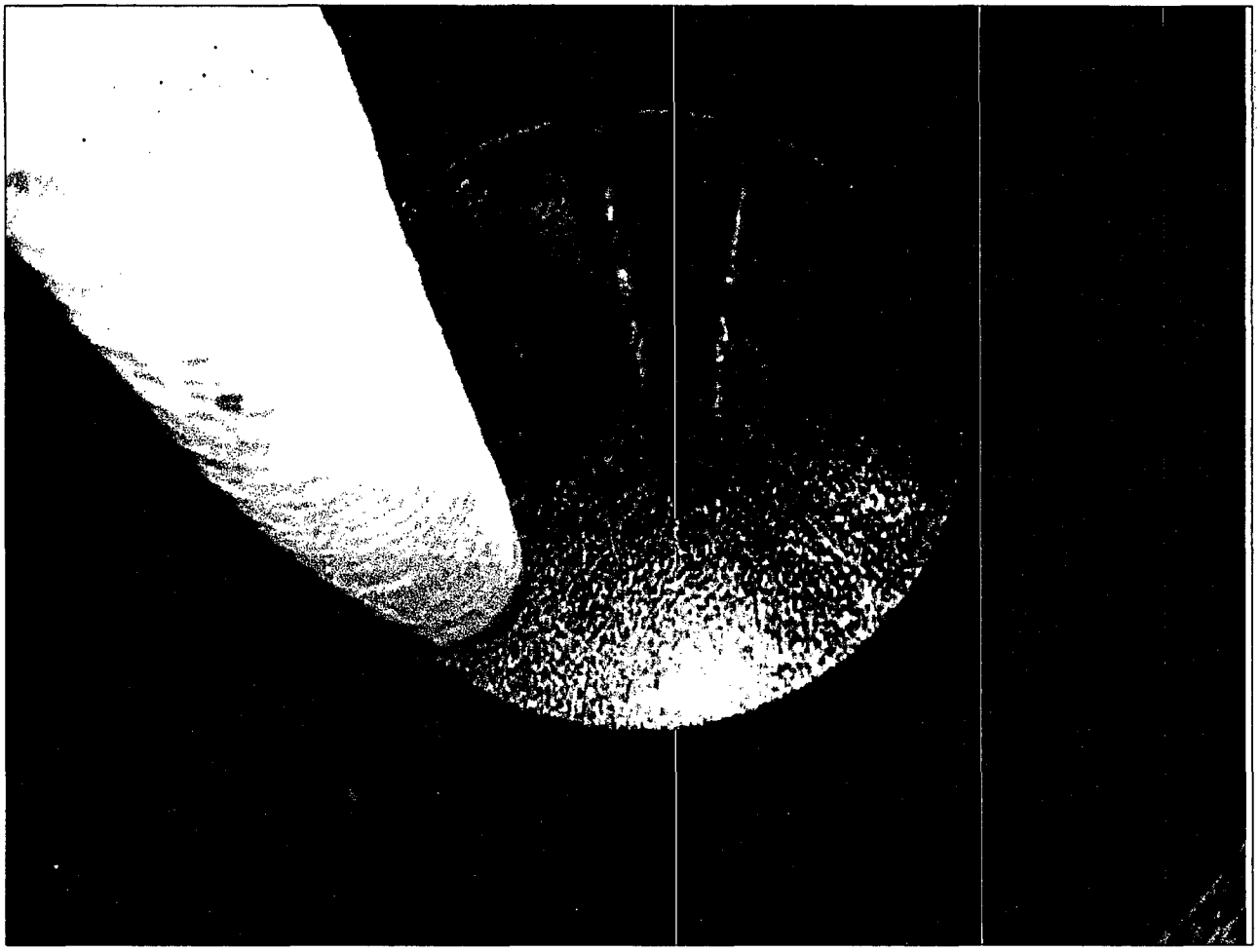
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Rattlesnake*
Section:	10
Township	31N
Range:	7W
Date of Inspection:	5/25/99
Plan Expiration Date:	1/17/02
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

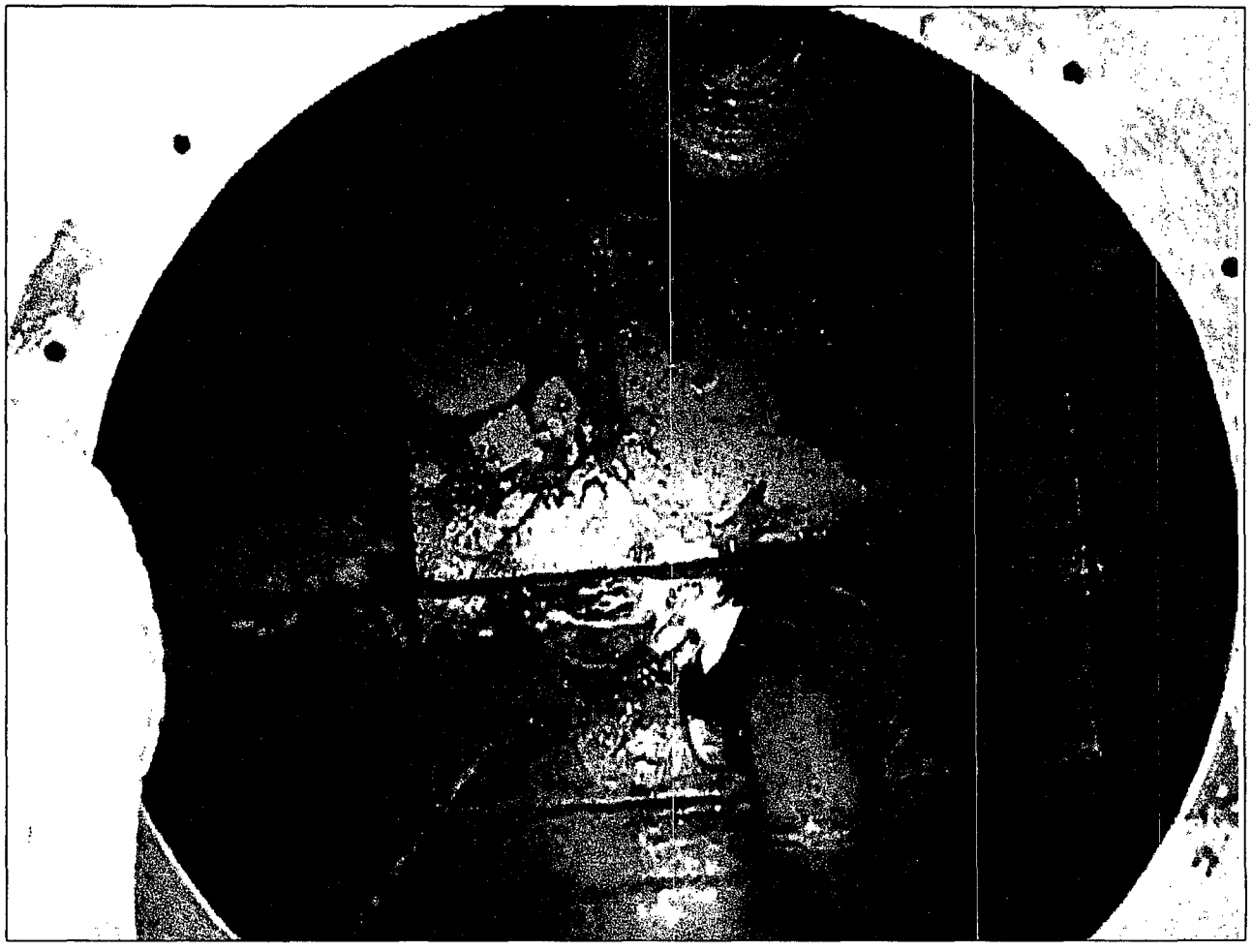
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Sims Mesa*
Section:	22
Township	30N
Range:	7W
Date of Inspection:	5/27/99
Plan Expiration Date:	8/19/03
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector: _____
Environmental Representative

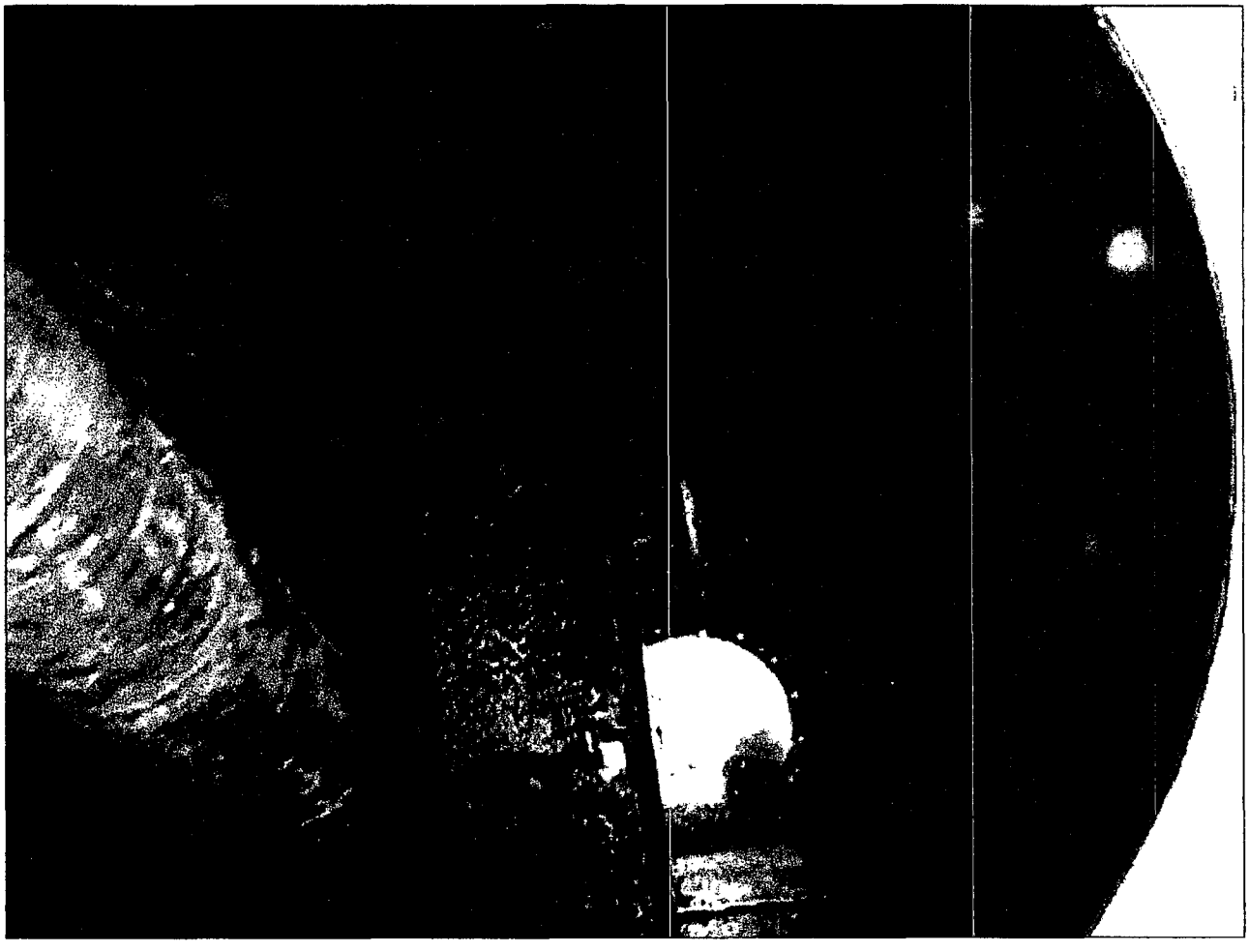
Discharge Plan Sump Inspections

Burlington Resources, San Juan Division
3535 East 30 th Street
P.O. Box 4289
Farmington, NM 87499-4289

Revision Date: Tuesday, June 01, 1999

Compressor Station:	*Sandstone*
Section:	32
Township	31N
Range:	8W
Date of Inspection:	5/25/99
Plan Expiration Date:	6/9/00
OCD Notified Date:	5/18/99 Written Correspondence to Santa Fe

Photograph:



Comments: *No problems were observed. Kevin Johnson was present for all sump inspections.*

Inspector:

Environmental Representative

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

CERT. MAIL NO. P-288-258-744

☒ Telephone ☐ Personal	Time 1:45 pm	Date 1-22-97

Originating Party	Other Parties
Pat Sanchez - OCD	Craig Bock - BROG

Subject: Returning check No. 257286 dated 12/19/96 in the amount of 1,380 $.

Discussion: Informed Mr. Bock that the OCD had already recieved the Flat Fee for Quinn Compresser GW-239 from a Karen Stevens. (See attached Memo from Ms. Stevens.)

Conclusions or Agreements: OCD will return check No. 257286 dated 12/19/96.

Distribution: File, Craig Bock - BROG.

Signed: Robert W. Sanchez

P 288 258 744

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail *(See reverse)*

Sent to	
Street & Number	
Post Office, State, & ZIP Code	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form 3800, April 1995

BURLINGTON RESOURCES

Memorandum

TO: **Oil Conservation Division**
FROM: **Karen Stevens**
DATE: **September 3, 1996**
RE: **Discharge Plan Fee's**

I have enclosed a check in the amount of $1,430 to cover the discharge plan fee for Quinn Compressor ($1,380) and Rattlesnake Compressor ($50).

If you have any questions please call me at (505) 326-9754.

Thank you,

KS

BURLINGTON RESOURCES
801 CHERRY STREET - SUITE 200
FORT WORTH, TEXAS 76102-6842

Citibank (Delaware)
A subsidiary of Citicorp
ONE PENN'S WAY
NEW CASTLE, DE 19720

62-20
311

257286
CHECK NO.

VENDOR NO.
101131

DATE	AMOUNT
12/19/96	*******$1,380.00

VOID IF NOT PRESENTED FOR PAYMENT WITHIN 60 DAYS

PAY TO
THE ORDER OF

NEW MEXICO ENERGY
MINERALS AND NATURAL DEPT
OIL CONSERVATION DIVISION
2040 S PACHECO ST
SANTA FE, NM 87505-5472

Everett D DeBois

⑈257286⑈ ⑆031100209⑆ 3882237 6⑈

BURLINGTON RESOURCES
801 CHERRY ST. - SUITE 200 * FORT WORTH, TX 76102-6842

For Questions Please Call
(505) 326-9519

CONTROL NO.	REFERENCE		PAID ON BEHALF OF	DUE VENDOR
	INVOICE	DATE		
420703208	RFC	961217	EPX	1,380.00
			TOTAL	1,380.00

VENDOR NO. 101131 CHECK NO. 257286

BURLINGTON RESOURCES

SAN JUAN DIVISION

December 20, 1996

Certified - P 358 636 589

William J. LeMay
Director
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87502

Re: Ground Water Discharge Plan Fees
Quinn Compressor Station ✓ # 257286 — This check returned 1-22-97 DLW
Cedar Hill Compressor Station ✓ # 257287 Already paid on 9-3-96.
Buena Vista Compressor Station ✓ # 257288

Dear Mr. LeMay:

Burlington Resources is submitting the groundwater discharge plan fees for the above referenced facilities (Enclosures 1 through 3).

If you have any questions concerning this submittal, please contact me at 326-9537.

Sincerely,

Craig A. Bock
Environmental Representative

Enclosures: (3) Discharge Plan Fee Checks ($13800.00)

cc: Bruce Voiles - BR
Denny Foust - NMOCD Aztec Office

File: Cedar Hill Compressor Station\Discharge Plan\Correspondence
s:\2-envnmt\grndwatr\facility\cedarhil\corresp\chfees.doc

BURLINGTON RESOURCES

SAN JUAN DIVISION

December 5, 1996

Certified P 358 636 590

William J. LeMay
Director
New Mexico Oil Conservation Division
Energy, Minerals, and Natural Resources Dept.
2040 S. Pacheco
Santa Fe, New Mexico 87504

Re: Discharge Plan Requirements
Quinn Compressor Station GW-239
Buena Vista Compressor Station GW-255
Cedar Hill Compressor Station GW-258

Dear Mr. LeMay:

Please find enclosed with this letter the Discharge Plan Requirements for the above referenced facilities. Each set of conditions has been signed and dated.

If you have any questions concerning this submittal, you can contact me by phone at (505) 326-9537.

Sincerely,

Craig A. Bock
Environmental Representative

Enclosed: Discharge Plan Requirements - Quinn Compressor Station
Discharge Plan Requirements - Buena Vista Compressor Station
Discharge Plan Requirements - Cedar Hill Compressor Station

File - Cedar Hill Compressor Station: Discharge Plan - Correspondence

s:\2-envnmt\grndwtr\facility\cedarhil\cooresp\conditns.doc

ATTACHMENT TO DISCHARGE PLAN GW-239
Burlington Resources - Quinn Compressor Station
DISCHARGE PLAN REQUIREMENTS
(August 9, 1996)

1. **Payment of Discharge Plan Fees**: The $50 filing fee has been received by the OCD. The $1,380 flat fee has not been received by the OCD and is due upon receipt of this approval. The flat fee maybe paid in one lump sum or in five equal annual installments of $ 276 over the term of the permit with the first payment due upon receipt of this approval.

2. **Burlington Resources Commitments:** Burlington Resources will abide by all commitments submitted in the Application dated March 7, 1996, from Burlington Resources and this approval letter with conditions of approval from OCD dated August 9, 1996.

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

All drums and chemical containers shall be clearly labeled to identify their contents and other emergency information necessary if they were to rupture, spill, or ignite.

4. **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.

5. **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 facilities or modifications to existing facilities must place the tank on an impermeable type pad.

6. **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.

7. **Tank Labeling**: All tanks should be clearly labeled to identify their contents and other emergency information necessary if the tank were to rupture, spill, or ignite.

8. **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 that do not have secondary containment and leak detection 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 /or sumps.

9. **Underground Process/Wastewater Lines**: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years there after. Companies 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 so that an OCD representative may witness the testing.

10. **Housekeeping**: All systems designed for spill collection/prevention should be inspected to ensure proper operation and to prevent overtopping or system failure.

Any soils contaminated with a non-exempt waste at the facility will be tested for hazardous constituents, and after receiving OCD approval, will be disposed of at an OCD approved site.

11. **Spill Reporting**: All spills/releases shall be reported pursuant to OCD Rule 116 and WQCC 1203 to the Aztec OCD District Office at (505)-334-6178.

12. **Transfer of Discharge Plan:** The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge plan. A written commitment to comply with the terms and conditions of the previously approved discharge plan must be submitted by the purchaser and approved by the OCD prior to transfer.

13. **New Mexico Oil Conservation Division Inspections:** Additional requirements may be placed on the facility based upon results from New Mexico Oil Conservation Division inspections.

14. **Closure:** The OCD will be notified when operations of the facility are discontinued for a period in excess of six months. Prior to closure of the facility a closure plan will be submitted for approval by the director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.

15. **Conditions accepted by**: B [signature] 12/4/96
Company Representative Date

Pipe Line Foreman
Title

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

October 30, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-258-677

Mr. Craig Bock
Burlington Resources
P.O. Box 4289
Farmington, NM 87499-4289

RE: Inspection Reports for GW-239, GW-255, and GW-258 San Juan County, New Mexico

Dear Mr. Bock:

The **discharge plan inspection reports for the above captioned Burlington Resources Oil and Gas Facilities are enclosed.** Burlington shall respond to each of the issues for each facility within 30 days of receipt of this letter and the enclosed inspection reports. Please send a copy of your response to OCD Santa Fe and the OCD Aztec District Office.

Burlington Resources continued commitment to the environmental quality of the State of New Mexico is appreciated.

If you have any questions in the meantime feel free to give me a call at (505)-827-7156.

Sincerely,

Patricio W. Sanchez
Petroleum Engineering Specialist,
Environmental Bureau-OCD

xc: Mr. Denny Foust - OCD Aztec District Office.

P 288 258 677

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

Sent to Mr. Back - BRUG	
Street & Number GW-238, 255, 258 - INSPEC	
Post Office, State, & ZIP Code REPORTS.	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form 3800, April 1995

DISCHARGE PLAN INSPECTION

FACILITY NAME: GW-239 **LOCATION:** NW/4 SW/4, Section 16, Township 31 North, Range 8 West, NMPM San Juan County, New Mexico, "Quinn Compressor Station"

DATE: 10/23/96 **OWNER:** Burlington Resources O&G

OCD INSPECTORS: Denny Foust and Pat Sanchez.

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

All drums and chemical containers shall be clearly labeled to identify their contents and other emergency information necessary if they were to rupture, spill, or ignite.

No compliance issues.

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.

Compressor skid draining lube oil onto the ground - Burlington needs to address this and clean-up the contaminated soil next to the compressor skid. Also, need to look at a method of preventing this discharge.

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 facilities or modifications to existing facilities must place the tank on an impermeable type pad.

Tanks not labeled, Burlington needs to verify that the tanks are placed on impermeable containment.

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.

No Compliance issues.

5. **Tank Labeling**: All tanks should be clearly labeled to identify their contents and other emergency information necessary if the tank were to rupture, spill, or ignite.

Place and verify labels for (4) and (5) above where applicable.

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 that do not have secondary containment and leak detection 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 /or sumps.

Tank loading sump does not have secondary containment w/ leak detection - Burlington needs to address this.

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 there after. Companies 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 so that an OCD representative may witness the testing.

Prior to the next discharge plan renewal Burlington will notify the OCD in advance as outlined above.

8. Onsite/Offsite Waste disposal and storage practices, are all non-exempt wastes properly characterized and disposed of? Does the facility have an EPA hazardous waste number?

Non-exempt and exempt are commingled (EFFLUENT) Burlington must seggrate these wastes and test the non-exempt waste for Hazardous constituents.

9. **Class V Wells**: Leach fields and other wastewater disposal systems at OCD regulated facilities which inject fluid other than sewage below the surface are considered Class V injection wells under the EPA UIC program. All class V wells will be closed unless, it can be demonstrated that protectable groundwater will not be impacted in the reasonably foreseeable future. Class V wells must be closed through the Santa Fe Office. The OCD allows industry to submit closure plans which are protective of human health, environment and groundwater as defined by the WQCC, and are cost effective.

No Compliance issues.

10. **Housekeeping**: All systems designed for spill collection/prevention should be inspected to ensure proper operation and to prevent overtopping or system failure. Any contaminated soils that are collected at the facility will be tested for hazardous constituents, and after receiving OCD approval, will be disposed of at an OCD approved site.

Miscellaneous spills need to be addressed.
Trash receptacle needs a Label "Trash".

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

No compliance issues.

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

The issue of the commingled Non-Exempt and exempt streams must be addressed and corrected by Burlington - also, the Non-exempt effluent needs to be tested for Hazardous Constituents.

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

Not asked of Burlington representative.

BROG GW- 239 (PHOTOS BY OCD)

PHOTO NO. 1 DATE: 10/23/96

PHOTO NO. 2 DATE: 10/23/96

BROG GW-239 (PHOTOS BY OCD)

PHOTO NO. 3 DATE: 10/23/96

PHOTO NO. 4 DATE: 10/23/96

BRUG GW-239 (PHOTOS BY OCD)

PHOTO NO. 5 DATE: 10/23/96

PHOTO NO. 6 DATE: 10/23/96

BROG GW-239 (PHOTOS BY OCD)

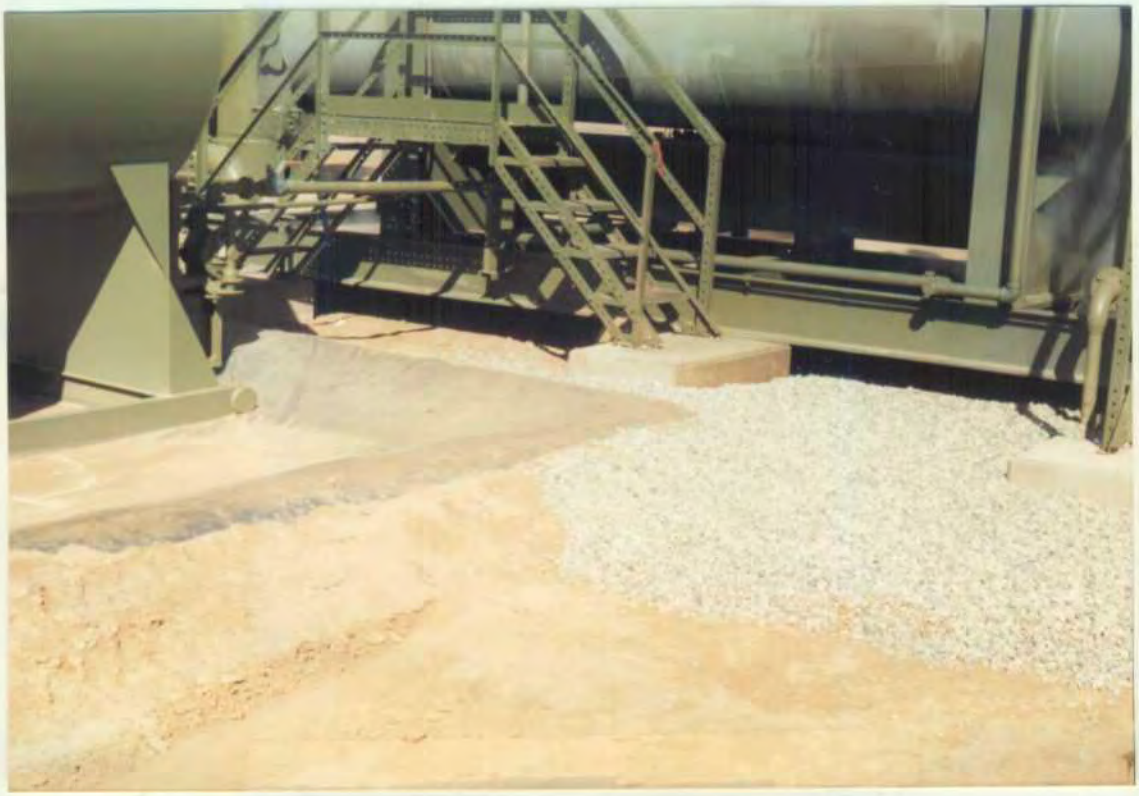


PHOTO NO. 7 DATE: 10/23/96

PHOTO NO. _____ DATE: / /

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

October 15, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-258-669

Mr. Craig Bock
Burlington Resources
P.O. Box 4289
Farmington, NM 87499-4289

RE: Discharge Plan GW-239, GW-255, and GW-258
Permit Condition Clarification

Dear Mr. Bock:

Pursuant to the phone conversation between yourself, Mr. Roger Anderson of the OCD, and myself today October 15, 1996 at 11:55 AM the permit Condition under "Housekeeping" has been amended per the concerns that you expressed in the conversation. Two copies of each amended page 4 for GW-239, GW-255, and GW-258 have been enclosed for signature. **Please sign and return a copy to the OCD Santa Fe Division Office within 5 working days of receipt of this letter.**

The condition originally read: "Any contaminated soils that are collected at the facility will be tested for hazardous constituents, and after receiving OCD approval, will be disposed of at an OCD approved site."

The condition now reads: "Any soils contaminated with a non-exempt waste at the facility will be tested for hazardous constituents, and after receiving OCD approval, will be disposed of at an OCD approved site."

The OCD hopes that this has clarified your concern, and we appreciate your input into this process.

Sincerely,

Patricio W. Sanchez
Petroleum Engineering Specialist

xc: Mr. Denny Foust - Aztec OCD District Office

Enclosed - Amended page 4 (2 Copies/one Back To OCD Santa Fe) for GW-239,GW-255, and GW-258.

P 288 258 669

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

Sent to Mr. Back	
Street & Number BRGG - GW-234, 255,	
Post Office, State, & ZIP Code 258 - AMENDED.	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form 3800, April 1995

BURLINGTON RESOURCES

Memorandum

TO: **Oil Conservation Division**
FROM: **Karen Stevens**
DATE: **September 3, 1996**
RE: **Discharge Plan Fee's**

I have enclosed a check in the amount of $1,430 to cover the discharge plan fee for Quinn Compressor ($1,380) and Rattlesnake Compressor ($50).

If you have any questions please call me at (505) 326-9754.

Thank you,

KS

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

August 9, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. P-594-835-295

Mr. Craig Bock
Burlington Resources
P.O. Box 4289
Farmington, NM 87499-4289

RE: Approval of Discharge Plan GW-239
Quinn Compressor Station
San Juan County, New Mexico

Dear Mr. Bock:

The **discharge plan GW-239 for the Burlington Resources Quinn Compressor Station** located in the NW/4 SW/4, Section 16, Township 31 North, Range 8 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 dated March 7, 1996, from Burlington Resources and this approval letter with conditions of approval from OCD dated August 9, 1996. Enclosed are two copies of the conditions of approval. **Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within five working days of receipt of this letter.**

The discharge plan application was submitted pursuant to Section 3106 of the New Mexico Water Quality Control Commission Regulations. Please note Sections 3109.E and 3109.F which provide for possible future amendments or modifications of the plan. Please be advised that the approval of this plan does not relieve **Burlington Resources** of liability should the operations associated with this facility result in pollution of surface water, ground water, or the environment.

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.

P 594 835 295

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

Sent to Burlington Res. Mr. Bock
Street & Number GW-234 Approval
Post Office, State, & ZIP Code

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to *Whom & Date Delivered*	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$

Postmark or Date

PS Form 3800, April 1995

Please note that Section 3104 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 3107.C Burlington Resources is 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 3109.G.4, this plan is for a period of five (5) years. **This approval will expire August 9, 2001, and an application for renewal should be submitted in ample time before that date.** It should be noted that all discharge plan facilities will be required to submit plans for, or the results of, an underground drainage testing program as a requirement for discharge plan approval.

The discharge plan renewal for the Burlington Resources Quinn Compressor Station GW-239 is subject to the WQCC Regulation 3114 discharge plan fee. Every billable facility submitting a discharge plan will be assessed a fee equal to the filing fee of fifty dollars ($50) and a flat fee of one-thousand three-hundred and eighty dollars ($ 1,380) for compressor stations over 3,000 horsepower.

The $50 filing fee has been received by the OCD. The $1,380 flat fee has not been received by the OCD and is due upon receipt of this approval. The flat fee may be paid in one lump sum or in five equal annual installments of $ 276 over the term of the permit with the first payment due upon receipt of this approval.

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

Attachment

xc: Mr. Denny Foust

ATTACHMENT TO DISCHARGE PLAN GW-239
Burlington Resources - Quinn Compressor Station
DISCHARGE PLAN REQUIREMENTS
(August 9, 1996)

1. **Payment of Discharge Plan Fees**: The $50 filing fee has been received by the OCD. The $1,380 flat fee has not been received by the OCD and is due upon receipt of this approval. The flat fee may be paid in one lump sum or in five equal annual installments of $ 276 over the term of the permit with the first payment due upon receipt of this approval.

2. **Burlington Resources Commitments:** Burlington Resources will abide by all commitments submitted in the Application dated March 7, 1996, from Burlington Resources and this approval letter with conditions of approval from OCD dated August 9, 1996.

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

All drums and chemical containers shall be clearly labeled to identify their contents and other emergency information necessary if they were to rupture, spill, or ignite.

4. **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.

5. **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 facilities or modifications to existing facilities must place the tank on an impermeable type pad.

6. **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.

7. **Tank Labeling**: All tanks should be clearly labeled to identify their contents and other emergency information necessary if the tank were to rupture, spill, or ignite.

8. **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 that do not have secondary containment and leak detection 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 /or sumps.

9. **Underground Process/Wastewater Lines**: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years there after. Companies 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 so that an OCD representative may witness the testing.

10. **Housekeeping**: All systems designed for spill collection/prevention should be inspected to ensure proper operation and to prevent overtopping or system failure.

Any contaminated soils that are collected at the facility will be tested for hazardous constituents, and after receiving OCD approval, will be disposed of at an OCD approved site.

11. **Spill Reporting**: All spills/releases shall be reported pursuant to OCD Rule 116 and WQCC 1203 to the Aztec OCD District Office at (505)-334-6178.

12. **Transfer of Discharge Plan:** The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge plan. A written commitment to comply with the terms and conditions of the previously approved discharge plan must be submitted by the purchaser and approved by the OCD prior to transfer.

13. **New Mexico Oil Conservation Division Inspections:** Additional requirements may be placed on the facility based upon results from New Mexico Oil Conservation Division inspections.

14. **Closure:** The OCD will be notified when operations of the facility are discontinued for a period in excess of six months. Prior to closure of the facility a closure plan will be submitted for approval by the director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.

15. **Conditions accepted by**: _____ _____
Company Representative Date

_____
Title

BURLINGTON RESOURCES

SAN JUAN DIVISION

August 12, 1996

Certified Mail No. Z-382-118-155

Energy, Minerals and Natural Resources Department
Oil Conservation Division
Attn: Mr. William LeMay
2040 S. Pacheco
Santa Fe, NM 87505

Re: **Name Change Notification**

Dear Mr. LeMay:

This letter is provided to inform you that Meridian Oil Inc. recently had a business name change to Burlington Resources Oil and Gas Company effective July 11, 1996. Please note that UIC permits and discharge plans have not been transferred and no change of ownership has occurred. All UIC permits and discharge plans issued to and currently under review for Meridian Oil Inc. will now be associated with the Burlington Resources Oil and Gas Company name. Attached is a list of UIC permits and discharge plans issued to Meridian Oil Inc. and applications under review.

If you have any questions regarding this notice, please feel free to contact me at (505) 326-9841.

Sincerely,

Keith M. Boedecker

Keith M. Boedecker
Sr. Staff Environmental Representative

cc: OCD - Aztec Office
Keith Baker - BR/File 6.07

OCD ISSUED UIC PERMITS and DISCHARGE PLANS

UNDERGROUND INJECTION CONTROL PERMITS

No.	Injection Well	OCD UIC Permit No.
1.	Ute No. 1	Order SWD-176
2.	San Juan 30-6 No. 112Y	Order SWD-305
3.	Cedar Hill SWD No. 1	Order SWD-337
4.	Pump Canyon	Order SWD-344
5.	Middle Mesa No. 1	Order SWD-350
6.	San Juan 30-6 No. 2	Order SWD-351
7.	San Juan 32-9 No. 5	Order SWD-432
8.	McGrath No. 4	OCD R-7370
9.	Jillson Federal No. 1	OCD R-10168

OCD DISCHARGE PLANS

No.	Facility	OCD Discharge Plan No.
1.	Gobernador Compressor Station	GW-56
2.	Pump Canyon Compressor Station	GW-57
3.	Hart Canyon Compressor Station	GW-58
4.	Manzanares Compressor Station	GW-59
5.	Middle Mesa Compressor Station	GW-77
6.	Rattlesnake Compressor Station	GW-93
7.	Sims Mesa Compressor Station	GW-146
8	Pump Mesa Compressor Station	GW-148
9	Val Verde Gas Plant	GW-169
10	Arch Rock Compressor Station	GW-183
11.	Sandstone Compressor Station	GW-193
12.	Frances Mesa Compressor Station	GW-194

OCD DISCHARGE PLANS UNDER REVIEW

No.	Facility	OCD Discharge Plan No.
1.	Buena Vista Compressor Station	Not Assigned
2.	Cedar Hill Compressor Station	Not Assigned
3.	Quinn Compressor Station	GW-239

NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND 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 application has been submitted to the Director of the Oil Conservation Division, 2040 S. Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-239) - Meridian Oil Inc., Doug Thomas, Environmental Representative, P.O. Box 4289, Farmington, New Mexico 87499-4289, has submitted an application for a discharge plan for the Quinn Compressor Station located in the NW/4 SW/4 of Section 16, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 132 gallons per day of waste water is stored in above ground, closed-top steel tanks prior to transport to an OCD approved Class II injection well for disposal. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 262 feet with a total dissolved solids concentration ranging from 1650 mg/l to 2250 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 applications may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru 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. Request 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 hearing is held, the Director will approve or disapprove the plan based on the information available. If a public hearing is held, the Director will approve the plan based on the information in the plan and information presented at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 13th day of March, 1996.

NO EFFECT FINDING

The described action will have no effect on listed species, wetlands, or other important wildlife resources.

Date April 18, 1996

Consultation # GWOCD96-1

Approved by SEAL

U.S. FISH and WILDLIFE SERVICE
NEW MEXICO ECOLOGICAL SERVICES FIELD OFFICE
ALBUQUERQUE, NEW MEXICO

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY, Director

AFFIDAVIT OF PUBLICATION

No. 36081

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):

Tuesday, March 26, 1996

and the cost of publication is: $63.56

Robert Lovett

On 3/27/96 ROBERT LOVETT appeared before me, whom I know personally to be the person who signed the above document.

Mary G Sneed

My Commission Expires March 21, 1998

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 the New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 S. Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-239) - Meridian Oil Inc., Doug Thomas, Environmental Representative, P.O. Box 4289, Farmington, New Mexico 87499-4289, has submitted an application for a discharge plan for the Quinn Compressor Station located in the NW/4 SW/4 of Section 16, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 132 gallons per day of waste water is stored in above ground, closed-top steel tanks prior to transport to an OCD approved Class II injection well for disposal. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 262 feet with a total dissolved solids concentration ranging from 1650 mg/l to 2250 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 applications may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru 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. Request 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 hearing is held, the Director will approve or disapprove the plan based on the information available. If a public hearing is held, the Director will approve the plan based on the information in the plan and information presented at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 13th day of March, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

/s/William J. LeMay
WILLIAM J. LEMAY, Director

SEAL

Legal No. 36081 published in The Daily Times, Farmington, New Mexico on Tuesday, March 26, 1996.

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

New Mexico DRUG FREE It's a State of Mind!

March 22, 1996

FARMINGTON DAILY TIMES
P. O. Box 450
Farmington, New Mexico 87401

ATTN: ADVERTISING MANAGER

RE: NOTICE OF PUBLICATION

Dear Sir/Madam:

Please publish the attached notice one time immediately on receipt of this request. Please proofread carefully, as any error in a land description or in a key word or phrase can invalidate the entire notice.

Immediately upon completion of publication, please send the following to this office:

1. Publisher's affidavit in duplicate.
2. Statement of cost (also in duplicate.)
2. CERTIFIED invoices for prompt payment.

We should have these immediately after publication in order that the legal notice will be available for the hearing which it advertises, and also so that there will be no delay in your receiving payment.

Please publish the notice no later than March 29, 1996. ~~1995.~~

Sincerely,

Sally E. Martinez
Administrative Secretary

Attachment

VILLAGRA BUILDING - 408 Galisteo
Forestry and Resources Conservation Division
P.O. Box 1948 87504-1948
827-5830
Park and Recreation Division
P.O. Box 1147 87504-1147
827-7465

2040 South Pacheco
Office of the Secretary
827-5950
Administrative Services
827-5925
Energy Conservation & Management
827-5900
Mining and Minerals
827-5970
Oil Conservation
827-7131

Z 765 962 265

Receipt for Certified Mail

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Do not use for International Mail
(See Reverse)

Sent to Farmington Daily Times	
Street and No. P.O. Box 450	
P.O., State and ZIP Code Farmington, NM 87401	
Postage	$
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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

March 19, 1996

NEW MEXICAN
202 E. Marcy
Santa Fe, New Mexico 87501

RE: NOTICE OF PUBLICATION

PO #96-199-002997

ATTN: BETSY PERNER

Dear Sir/Madam:

Please publish the attached notice (5) one time. Please proofread carefully, as any error in a land description or in a key word or phrase can invalidate the entire notice.

Immediately upon completion of publication, please send the following to this office:

1. Publisher's affidavit.
2. Invoices for prompt payment.

We should have these immediately after publication in order that the legal notice will be available for the hearing which it advertises, and also so that there will be no delay in your receiving payment.

Please publish the notice on Friday, March 22, 1996 ~~1995~~.

Sincerely,

Sally Martinez

Sally E. Martinez
Administrative Secretary

Attachment

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ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 13th day of March, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

WILLIAM J. LEMAY, Director

NOTICE OF PUBLICATION

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

SEAL

WILLIAM J. LEMAY, Director

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 1/22/96

or cash received on _____ in the amount of $ 50.00

from Meridian Oil

for Quinn C.S. (Facility Name) GW 239 (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: R. Chavez Date: 3/25/96

Received in ASD by: Angela Herrera Date: 3-29-96

Filing Fee X New Facility ___ Renewal ___

Modification ___ Other _____ (specify)

Organization Code 521.07 Applicable FY 96

To be deposited in the Water Quality Management Fund.

Full Payment ___ or Annual Increment ___

MERIDIAN OIL
801 CHERRY STREET - SUITE 200
FORT WORTH, TEXAS 76102-6842

Citibank (Delaware)
A subsidiary of Citicorp
ONE PENN'S WAY
NEW CASTLE, DE 19720

62-20
311

[redacted] CHECK NO.

VENDOR NO.
400384

DATE	AMOUNT
01/22/96	**********$50.00

VOID IF NOT PRESENTED FOR PAYMENT WITHIN 60 DAYS

PAY TO THE ORDER OF

NEW MEXICO ENVIRONMENT
DEPT WATER QUALITY MNGT
2040 SOUTH PACHECO
SANTA FE, NM 87505

Everett D DeBois

[redacted]

MERIDIAN OIL

OIL CONSERVATION DIVISION
RECEIVED
'96 MAR 8 AM 8 52

March 7, 1996

Certified - P895 114 301

Chris E. Eustice
Environmental Geologist
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87504

Re: Ground Water Discharge Plan
Quinn Compressor Station GW-239

Dear Mr. Eustice:

Meridian Oil Inc. (MOI) is to providing your department with two copies of the proposed Ground Water Discharge Plan (Plan) for the above referenced facility. The Plan bound with a blue binder is the signed original. You will find enclosed with the Plan, a signed Discharge Plan Application form.

No on-site disposal of fluids or solids will occur at this facility. All above ground storage tanks are bermed and certain process equipment has been equipped with lined containment basins to catch unintentional discharges of process fluids.

Please note in the distribution, one copy of the Plan has been sent to Denny Foust at the NMOCD office in Aztec, New Mexico.

If you have any questions concerning this proposed discharge plan, please contact me at 326-9537.

Sincerely,

Craig A. Bock
Environmental Representative

Attachments: Discharge Plan (2 Copies)
$50 Filing Fee

cc: Keith Baker - MOI
Denny Foust - NMOCD Aztec Office (one plan copy)
File - Quinn Compressor Station: Discharge Plan\Correspondence

s:\grndwtr\facility\quinn\cooresp\quinnsub.doc

P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700, Fax 505-326-9833
3535 East 30th St., 87402-8891

MERIDIAN OIL

OIL CONSERVATION DIVISION
RECEIVED

'96 MAR 8 AM 8 52

March 7, 1996

Certified - P895 114 301

Chris E. Eustice
Environmental Geologist
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87504

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GW-239

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s:\grndwtr\facility\quinn\cooresp\quinnsub.doc

P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700, Fax 505-326-9833
3535 East 30th St., 87402-8891

QUINN COMPRESSOR STATION
GROUND WATER DISCHARGE PLAN

1 March, 1996

Prepared for:

Meridian Oil, Inc.
Farmington, New Mexico

Prepared by:

Craig A. Bock

TABLE OF CONTENTS

QUINN COMPRESSOR STATION
GROUND WATER DISCHARGE PLAN

I. TYPE OF OPERATION

The Quinn Compressor Station (Quinn) is a natural gas compressor station which receives lean gas via an upstream gathering system. At this facility field gas is compressed to an intermediate pressure and dehydrated.

II. OPERATOR AND LOCAL REPRESENTATIVE

A. Operator

Name: Meridian Oil, Inc. (MOI)	**Address: P.O. Box 4289**
City: Farmington	**State: New Mexico**
Zip: 87499-4289	**Phone: 505-326-9700**

B. Technical Representative

Name: Craig A. Bock	**Address: P.O. Box 4289**
City: Farmington	**State: New Mexico**
Zip: 87499-4289	**Phone: 505-326-9537**

III. FACILITY LOCATION

Township: T 31N	**Range: R 8W**	**Quarter: NW/SW** **Section: 16**	**County: San Juan**

A topographic map of the area is attached as Figure 1, Facility Area Map.

IV. LANDOWNERS

Name: Meridian Oil, Inc.	**Address: P.O. Box 4289**
City: Farmington	**State: New Mexico**
Zip: 87499-4289	**Phone: (505) 326 - 9700**
Name: State of New Mexico	**Address: P.O. Box 1148**
City: Santa Fe	**State: New Mexico**
Zip: 87504-1148	**Phone: (505) 827-7153**

V. FACILITY DESCRIPTION

The Quinn is constructed on a pad of approximately 3.0 acres in size. It consists of one gas compression engine (3200 hp), one dehydration unit, and the following tanks and sumps:

Container Type	Capacity	Product	Construction Material	Location
Tank	50 Barrel	Lube Oil	Steel	Above Ground
Tank	50 Barrel	Used Oil	Steel	Above Ground
Tank	50 Barrel	Ethylene Glycol (EG)	Steel	Above Ground
Tank	100 Barrel	Produced Water	Steel	Above Ground
Tank	750 Gallon	Triethylene Glycol (TEG)	Fiberglass	Above Ground
Process Sump	640 Gallon	Water, TEG, EG, Oil	Steel	Below Ground

Figure 2 (attached) illustrates the overall facility lay-out including the facility boundaries.

VI. SOURCES, QUANTITIES & QUALITY OF EFFLUENTS

A. Waste Stream Data

Source of Waste	Type of Waste	Volume/Month	Type/Volume of Additives	Collection System/Storage
Dehydration Unit	Produced Water	3 barrels	None	Sump
Dehydration Unit	TEG	Intermittent	None	Tank
Dehydration Unit	Used TEG Filters	3	None	Container/Bin
Compressor Engine	Cooling Water	Intermittent	EG	Tank
Compressor Engine	Leaks/Precipitation	Intermittent	EG, Oil, Water	Sump
Compressor Engine	Used Oil	160 gallons	None	Tank
Compressor Engine	Oil Filters	4	None	Container/Bin
Inlet Filter Separator	Inlet Filters	52/per year (2 changes)	None	Container/Bin
Discharge Filter Coalescer	Coalescer Filters	40/per year (3 changes)	None	Container/Bin
36" Slug Catcher Inlet Separator	Produced Water	93 barrels	Corrosion Inhibitors	Tank
General Refuse	Solid Waste	1-2 Containers	None	Container/Bin

B. Quality Characteristics

1. Note: No process waste streams discharged to the ground surface. All waste streams are collected and their disposition is described in section VIII.

2. Produced water from the inlet filter separator, discharge filter coalescer, and the dehydration unit may contain the BETX hydrocarbon compounds listed in ***WQCC 1-101.ZZ.*** Similarly, used oil collected in the sump will contain ***WQCC 1-101.ZZ*** hydrocarbon compounds.

C. Commingled Waste Streams

1. Produced water from the sump, slug catcher, and dehydration units are commingled prior to being hauled for disposal. In addition, wash water (fresh water) may also be introduced into the comingled waste stream

2. Attached is a chemical analysis of a similar commingled waste stream at the Archrock Compressor Station (Archrock). Since Quinn's design is similar to the Archrock, MOI believes this analysis will be representative of Quinn's comingled waste steam.

VII. TRANSFER & STORAGE OF PROCESS FLUIDS & EFFLUENTS

A. Fluid Storage

Information on the waste stream collection and storage containers is summarized in the tables in sections V and VI.

B. Flow Schematics

The individual units are shown on Figure 2. Produced water may be generated during the compression of gas with water being diverted to an above ground tank. Produced water may also be generated during dehydration of the gas with water being diverted to the underground sump.

C. Surface and Subsurface Discharge Potential

1. The table in section V provides a listing of all above ground tanks and below grade sumps. Pressurized pipelines carry the compressed gas through the dehydration unit and outlet meter to the sales line.

2. Drips and minor leaks from the compressor, compressor engine and fluid pumps may drain into the underground sump. Fluids collected in the sump are periodically transferred to the 100 bbl produced water tank (See Figure 2).

3. The size and construction material of the collection units, including leak detection measures, is described in the table in section V.

produced water tank

CE per conversation w/ Craig Beck

D. NMOCD Design Criteria

1. All storage tanks (used oil, EG, ~~TEG~~ and lube oil tanks) are surrounded by a 67' x 32' x 2' earthen berm. The capacity of the bermed area exeeds the required NMOCD criteria of one and one third times the capacity of the largest tank. None of the storage tanks are interconnected with a common manifold.

   Each tank is equipped with a false bottom to aid in the detection and containment of any leaks that may occur from the bottom of the tank. The false bottom on the tank includes a two inch inspection port that allows visual examination. Tanks are supported above the soil on a 6" gravel pack contained in a steel ring.

   The TEG regeneration skid is a self contained unit equipped with containment curbs to capture any leaks that may occur during the TEG regeneration process.

2. The below ground sump complies with OCD specifications. The sump is equipped with double walls and a leak detection system. The leak detection system is equipped with an inspection port to allow for periodic visual inspections.

E. Underground Pipelines

All underground process pipelines are new. Mechanical integrity testing is performed prior to start-up and on an as needed basis (during modification or repairs).

F. Proposed Modifications

All plant processes are closed pipe, contained in tanks, or otherwise controlled to prevent leakage. All storage, transfer, and containment systems meet the criteria described in "Guidelines for the Preparation of Ground Water Discharge Plans of Natural Gas Processing Plants, Oil Refineries, and Gas Compressor Stations" (NMOCD 5/92). No additional modifications are proposed at this time.

VIII. EFFLUENT DISPOSAL

A. On-Site Operations

This facility does not conduct any on-site waste disposal. All waste streams are taken off-site for recycling or disposal.

B. Off-Site Disposal

The following table provides information about off-site waste disposal:

Waste Stream	Shipment Method	Shipping Agent	Final Disposition	Receiving Facility
Produced Water	Truck	*See Note 1*	Class II Well	*See Note 2*
Coalescer, Inlet Separator, Used Oil, TEG and Fuel Gas Filters	Truck	*See Note 3*	Landfill	Waste Management C/R 3100 Aztec, NM Profile # 025149, 025150, 0215149, 266263
EG	Truck	*See Note 4*	Recycled	*See Note 4*
Used Oil	Truck	Mesa Oil Inc. 20 Lucero Rd. Belen, NM 87002	Recycled	Mesa Oil Inc. 20 Lucero Rd. Belen, NM 87002
TEG	Truck	Overland Dehy 5895 US Hwy. 64 Bloomfield, NM	Recycled	Overland Dehy 5895 US Hwy. 64 Bloomfield, NM
Solid Waste *(GeneralRefuse)*	Truck	Waste Management C/R 3100 Aztec, NM	Landfill	Waste Management C/R 3100 Aztec, NM

Note 1: The trucking agent contracted to ship effluents off-site will be one of the following:

Dawn Trucking Co.
318 Hwy. 64
Farmington, New Mexico.

Triple S Trucking Co.
P.O. Box 100
Aztec, NM 87410

Sunco Trucking
708 S. Tucker Ave.
Farmington, New Mexico

Note 2: The off-site Disposal Facility will be one of the following:

McGrath SWD #4
Sec. 34, T-30-N, R-12-W
San Juan County
New Mexico

Basin Disposal
Sec. 3, T-29-N, R-11-W
6 County Rd 5046
Bloomfield, New Mexico

Sunco Disposal
Sec. 2, T-29-N, R-12-W
323 County Rd. 3500
Farmington, New Mexico

Note 3: The shipping agent for this material will be one of the following companies:

Waste Management
Road 3100
Aztec, New Mexico

Cooper/Cameron Inc.
3900 Bloomfield Hwy.
Farmington, New Mexico

Overland Dehy
5895 US Hwy. 64
Bloomfield, New Mexico

Note 4: EG Shipper and Recycler:

Overland Dehy
5895 US Hwy. 64
Bloomfield, New Mexico

Mesa Oil Inc.
20 Lucero Rd.
Belen, NM 87002

IX. INSPECTION, MAINTENANCE AND REPORTING

A. Leak Detection/Site Visits

The sump incorporates NMOCD required secondary containment and leak detection systems. In addition MOI will install an inspection port between the primary and secondary walls to allow for periodic visual inspection.

As described in section VII. D. 1 of this plan, each aboveground storage tank is equipped with a false bottom and an inspection port to detect leaks that may result from the failure of a tank bottom. All aboveground storage tanks are surrounded with an earthen containment berm that more than exceeds NMOCD's requirement of one and one third times the capacity of the largest tank.

Quinn is an unmanned facility that operates 24 hours per day, 365 days per year. Both contracted and MOI personnel frequently visit the site to inspect the equipment and ensure proper operation of the station.

B. Precipitation/Runoff

Any precipitation that contacts the process equipment is collected in the process sump or containment skids and either allowed to evaporate or disposed of off-site (VIII.B). The facility pad is maintained to prevent surface accumulations of storm water.

X. SPILL/LEAK PREVENTION & REPORTING

A. Spill/Leak Potential

Potential sources of spills or leaks at this facility include the following:

1. Tank overflow or rupture
2. Overflow of equipment containment skids
3. Rupture of process pipelines
4. Pigging operations

Prevention of accidental releases from these sources is a priority of MOI. Spill prevention is achieved through proper operating procedures and by an active equipment inspection and maintenance program. Spill detection is accomplished by routine visual inspection of facility equipment and monitoring of process instrumentation by contracted and MOI personnel..

To reduce the risk of spilled process fluids from contacting the ground surface, MOI has purchased self contained skids for process equipment with a high potential of a spill/leak. Each of the containment basins has a drain to the process sump to aid in fluid disposal.

B. Spill/Leak Control

General spill cleanup procedures may involve recovery of as much free liquid as possible, and minor earthwork to prevent migration. Recovered fluids would be transported off-site for recycling or disposal. Clean-up procedures will follow NMOCD's "Guidelines For Remediation of Leaks, Spills, and Releases" (August 13, 1993).

C. Spill/Leak Reporting

Should a release of materials occur, MOI will notify the NMOCD in accordance with the provisions described in NMOCD Rule and Regulation #116 and WQCC Section 1203.

XI. SITE CHARACTERISTICS

A geotechnical report was generated to document physical characteristics of soils underlying Quinn for the purposes of construction. Documentation of the soils involved drilling three boreholes (ranging from 10' to 13.5' in depth), classifying and logging each soil type as it was encountered. The geotechnical survey is not included with this discharge plan.

A. Hydrologic Features

1. There are no known domestic water supplies or surface water bodies within one mile of Quinn.

2. Cathodic well data for production locations in the area indicated the depth to ground water to be greater than 250 feet. No ground water was encountered during test borings for the geotechnical survey.

3. Ground water flow direction is likely to be southwest, based on a review of topographic features at the site.

B. Geologic Description of Discharge Site

1. The geotechnical profile at the site is comprised of clay with varying amounts of sand, overlying formational sandstone to the total depth of the borings. Auger refusal was encountered in all three borings on the standstone.

2. The shallowest (closest to the surface) documented fresh water aquifer in this area is the San Jose Formation. Total Dissolved Solids (TDS) of water from this formation is estimated to be greater than 1700 mg/l on an avg. (New Mexico Bureau of Mines and Mineral Resources, 1983).

   This formation is characterized by interbedded sandstone and mudstones. The thickness of the formation ranges up to nearly 2,700 feet, in the basin between Cuba and Gobernador. (New Mexico Bureau of Mines and Mineral Resources, 1983).

C. Flood Protection

The elevation of the Quinn facility is 6615 feet above sea level. This area is not typically subject to flooding therefore special flood protection measures were not incorporated into the design of the facility.

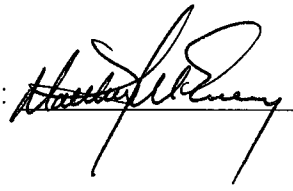
XII. ADDITIONAL INFORMATION

As stated previously, this facility does not intentionally discharge or dispose of any waste on-site. Containment and leak detection devices are installed and periodically inspected to insure proper operation. As a result, MOI has demonstrated that approval of this plan will not result in concentrations in excess of the standards of Section 3-103 or the presence of any toxic pollutant at any place of withdrawal of water for present or reasonably foreseeable future use.

XIII. AFFIRMATION

"I hereby certify that I am familiar with the information contained in and submitted with this discharge plan, and that such information is true, accurate, and complete to the best of my knowledge and belief."

Name: Matthew J McEneny Title: Regional Environmental and Safety Manager

Signature:  Date: 2/28/96

Name: James B. Fraser Title: Production Manager

Signature: James B FRASER Date: 2/27/96

PROPOSED LOCATION OF MERIDIAN OIL
QUINN COMPRESSOR STATION

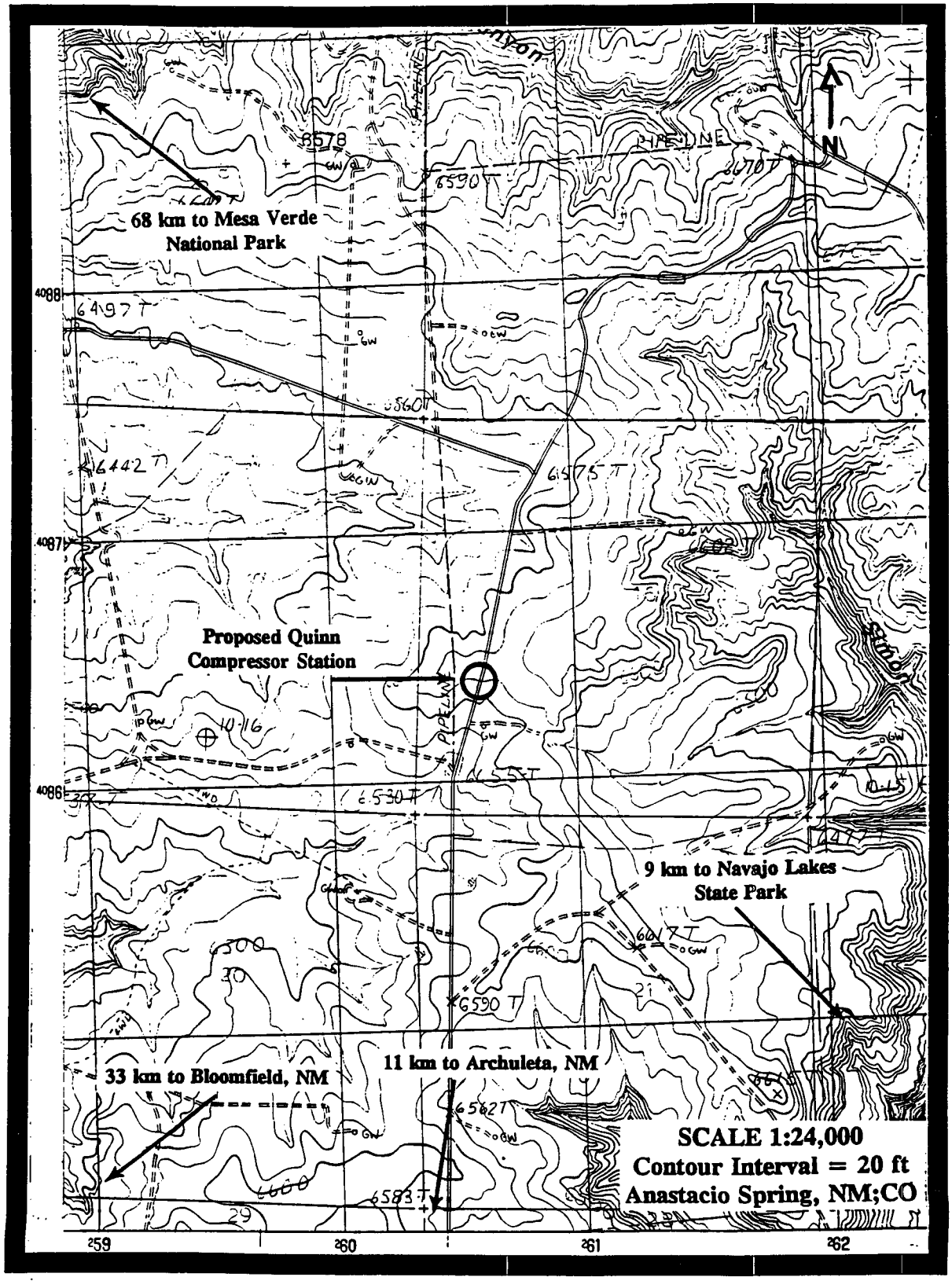
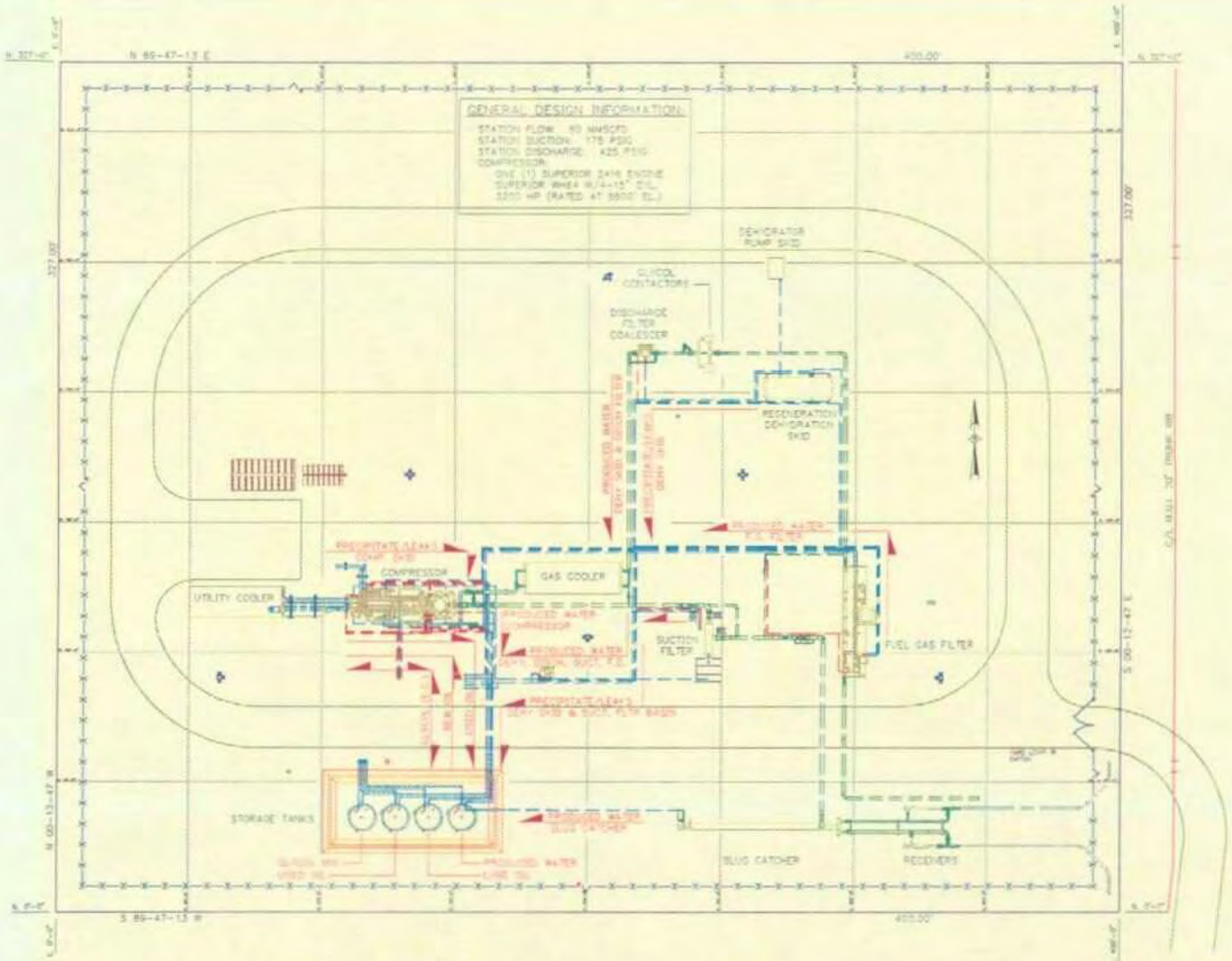


FIGURE 1: QUINN COMPRESSOR STATION



TKE

Houston, Texas

3200 HP COMPRESSION FACILITY

MERIDIAN OIL

QUINN COMPRESSOR STATION
GROUND WATER DISCHARGE
WASTE STREAM

ON_GRND_WATER_DISCH | 0

FIGURE 2: QUINN COMPRESSOR STATION

ATTACHMENTS

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87501

DISCHARGE PLAN APPLICATION FOR NATURAL GAS PROCESSING PLANTS, OIL REFINERIES AND GAS COMPRESSOR STATIONS

(Refer to OCD Guidelines for assistance in completing the application.)

I. TYPE: Quinn Compressor Station

II. OPERATOR: Meridian Oil Inc.

ADDRESS: P.O. Box 4289, Farmington, NM 87499-4289

CONTACT PERSON: Craig A. Bock PHONE: (505) 326-9537

III. LOCATION: NW /4 SW /4 Section 16 Township 31N Range 8W
Submit large scale topographic map showing exact location.

IV. Attach the name and address of the landowner(s) of the facility site.

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

VI. Attach a description of sources, quantities and quality of effluent and waste solids.

VII. Attach a description of current liquid and solid waste transfer and storage procedures.

VIII. Attach a description of current liquid and solid waste disposal procedures.

IX. Attach a routine inspection and maintenance plan to ensure permit compliance.

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

XI. Attach geological/hydrological evidence demonstrating that disposal of oil field wastes will not adversely impact fresh water. Depth to and quality of ground water must be included.

XII. Attach such other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

XIII. CERTIFICATION

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Craig A. Bock Title: Environmental Representative

Signature: C. A. Bock Date: 3/7/96

DISTRIBUTION: Original and one copy to Santa Fe with one copy to appropriate Division District Office.

ASSAIGAI
ANALYTICAL
LABORATORIES
7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259
3332 Wedgewood, E-5 • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820

Report Generated:
April 6, 1995 10:16

CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE

SENT BURLINGTON ENVIRONMENTAL
TO: 4000 MONROE RD.
FARMINGTON, NM 87401

ATTN: ALLEN HAINS

WORKORDER # : 9503187
WORK ID : MOI ARCH ROCK SAMPLE
CLIENT CODE : BUR07
DATE RECEIVED : 03/22/95

Lab ID: 9503187-01A
Sample ID: WS-1
Collected: 03/20/95 10:45:00
Matrix: WATER

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BROMIDE/EPA 300						
Bromide	ND	mg/L	0.50	1.0	03/22/95	WANION117
CHLORIDE/EPA 300						
Chloride	45.1	mg/L	0.50	1.0	03/22/95	WANION117
FLUORIDE/EPA 300						
Fluoride	0.6	mg/L	0.50	1.0	03/22/95	WANION117
NITRATE/NITRITE/EPA 300						
Nitrate/Nitrite as N	ND	mg/L	0.20	1.0	03/22/95	WANION117
NITRITE/EPA 300						
Nitrite as N	ND	mg/L	0.20	1.0	03/22/95	WANION117
ORTHOPHOSPHATE-P/EPA 300						
Orthophosphate as P	ND	mg/L	0.40	1.0	03/22/95	WANION117
pH/EPA 150.1						
pH	6.4	pH Units	0.10	1.0	03/22/95	WPH281
SULFATE/EPA 300						
Sulfate	9.8	mg/L	0.50	1.0	03/22/95	WANION117
TDS/EPA 160.1						
Total Dissolved Solids	11600	mg/L	1.0	1.0	03/23/95	WTDS200

Lab ID: 9503187-01B
Sample ID: WS-1
Collected: 03/20/95 10:45:00
Matrix: WATER

TEST / METHOD	RESULT
PAH'S/SW846 8310	
Naphthalene	ATTACHED
Acenaphthylene	ATTACHED
Acenaphthene	ATTACHED
Fluorene	ATTACHED
Phenanthrene	ATTACHED
Anthracene	ATTACHED
Fluoranthene	ATTACHED
Pyrene	ATTACHED
Benzo(a)Anthracene	ATTACHED
Chrysene	ATTACHED
Benzo(b)Fluoranthene	ATTACHED
Benzo(k)Fluoranthene	ATTACHED
Benzo(a)Pyrene	ATTACHED
Dibenzo(a,h)Anthracene	ATTACHED
Benzo(ghi)Perylene	ATTACHED

Lab ID: 9503187-01B
Sample ID: WS-1
Collected: 03/20/95 10:45:00
Matrix: WATER

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
PAH'S/SW846 8310						
Indeno(1,2,3-cd)Pyrene	ATTACHED					

Lab ID: 9503187-01C
Sample ID: WS-1
Collected: 03/20/95 10:45:00
Matrix: WATER

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
BTEX/EPA 602						
Benzene	2.0	ug/L	1.0	1.0	03/23/95	WGCVOA180
Toluene	4.3	ug/L	1.0	1.0	03/23/95	WGCVOA180
Ethylbenzene	ND	ug/L	1.0	1.0	03/23/95	WGCVOA180
P-&m-xylene	4.6	ug/L	2.0	1.0	03/23/95	WGCVOA180
O-xylene	3.8	ug/L	1.0	1.0	03/23/95	WGCVOA180

Lab ID: 9503187-01D
Sample ID: WS-1
Collected: 03/20/95 10:45:00
Matrix: WATER

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
CYANIDE, TOTAL/EPA 335.2						
Cyanide, Total	ND	mg/L	0.020	1.0	03/25/95	WCNT86

Lab ID: 9503187-01E
Sample ID: WS-1
Collected: 03/20/95 10:45:00
Matrix: WATER

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
CVAA Hg XT/EPA 245.1	03/27/95	N/A				
ICP DIG/SW 846 3005	03/30/95	N/A				
MERCURY (CVAA)/EPA 245.1						
Mercury	ND	mg/L	0.00020	1.0	03/27/95	WCV94
METALS by ICP/EPA 200.7						
Silver, Ag	ND	mg/L	0.020	47.61	03/31/95	WICP34R
Aluminum, Al	NT	mg/L	0.50			WICP34R
Arsenic, As	ND	mg/L	0.020	47.61	03/31/95	WICP34R
Boron, B	NT	mg/L	0.030			WICP34R
Barium, Ba	13.7	mg/L	0.010	47.61	03/31/95	WICP34R
Beryllium, Be	NT	mg/L	0.00040			WICP34R
Calcium, Ca	NT	mg/L	0.10			WICP34R
Cadmium, Cd	ND	mg/L	0.0030	47.61	03/31/95	WICP34R
Cobalt, Co	NT	mg/L	0.010			WICP34R
Chromium, Cr	ND	mg/L	0.020	47.61	03/31/95	WICP34R
Copper, Cu	NT	mg/L	0.010			WICP34R
Iron, Fe	NT	mg/L	0.20			WICP34R
Potassium, K	NT	mg/L	0.10			WICP34R
Magnesium, Mg	NT	mg/L	0.10			WICP34R
Manganese, Mn	NT	mg/L	0.0020			WICP34R
Sodium, Na	NT	mg/L	0.20			WICP34R
Nickel, Ni	NT	mg/L	0.010			WICP34R

Lab ID: 9503187-01E
Sample ID: WS-1

Collected: 03/20/95 10:45:00
Matrix: WATER

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
METALS by ICP/EPA 200.7						
Lead, Pb	ND	mg/L	0.020	47.61	03/31/95	WICP34R
Antimony, Sb	NT	mg/L	0.030			WICP34R
Selenium, Se	ND	mg/L	0.050	47.61	03/31/95	WICP34R
Thallium, Tl	NT	mg/L	0.080			WICP34R
Vanadium, V	NT	mg/L	0.0030			WICP34R
Zinc, Zn	NT	mg/L	0.10			WICP34R

For James A. Seely
Operations Manager

WORKORDER COMMENTS

DATE : 04/06/95
WORKORDER: 9503187

DEFINITIONS/DATA QUALIFIERS

The following are definitions, abbreviations, and data qualifiers which may have been utilized in your report:

ND	= Analyte "not detected" in analysis at the sample specific detection limit.
D_F	= Sample "dilution factor"
NT	= Analyte "not tested" per client request.
B	= Analyte was also detected in laboratory method QC blank.
E	= Analyte concentration (result) is an estimated value or exceeds analysis calibration range.
LIMIT	= The minimum amount of the analyte that AAL can detect utilizing the specified analysis.

Please Note: Multiply the "Limit" value (AAL's Detection Limit) by Dilution Factor (D_F) to obtain the sample specific Detection Limit.

REPORT COMMENTS

Results reflect total metal analysis.

Inchcape Testing Services
NDRC Laboratories

11155 South Main
Houston, TX 77025
Tel. 713-661-8150
Fax. 713-661-2661

SUMMARY REPORT

CLIENT : Assaigai Analytical Laboratories
CONTACT : Mr. Dan Moore
PROJECT :

JOB NUMBER : H95-1702
REPORT DATE : 3-APR-1995

SAMPLE NO.	ID MARKS	MATRIX	DATE SAMPLED
1	9503187-018 WS-1	Water	20-MAR-1995
2	Method Blank	Water	23-MAR-1995

POLYNUCLEAR AROMATIC HYDROCARBONS, EPA 8310		1	2		
Acenaphthene	µg/L	< 18.0	< 18.0		
Acenaphthylene	µg/L	< 10.0	< 10.0		
Anthracene	µg/L	< 6.60	< 6.60		
Benzo(a)anthracene	µg/L	< 0.130	< 0.130		
Benzo(b)fluoranthene	µg/L	< 0.180	< 0.180		
Benzo(k)fluoranthene	µg/L	< 0.170	< 0.170		
Benzo(g,h,i)perylene	µg/L	< 0.760	< 0.760		
Benzo(a)pyrene	µg/L	< 0.230	< 0.230		
Chrysene	µg/L	< 1.50	< 1.50		
Dibenzo(a,h)anthracene	µg/L	< 0.300	< 0.300		
Fluoranthene	µg/L	< 2.10	< 2.10		
Fluorene	µg/L	< 2.10	< 2.10		
Indeno(1,2,3-cd)pyrene	µg/L	< 0.430	< 0.430		
Naphthalene	µg/L	< 18.0	< 18.0		
Phenanthrene	µg/L	< 6.40	< 6.40		
Pyrene	µg/L	< 2.70	< 2.70		