GW - 93

GENERAL CORRESPONDENCE

YEAR(S):

2007 - 1991

AFFIDAVIT OF PUBLICATION

Ad No. 55703

STATE OF NEW MEXICO
County of San Juan:

BOB WALLER, 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 and appeared in the Internet at The Daily Times web site on the following day(s):

Thursday, September 20, 2007

And the cost of the publication is $184.11

BB Waller

ON 10/22/07 BOB WALLER appeared before me, whom I know personally to be the person who signed the above document.

Wynell Corey

My Commission Expires November 17, 2008

COPY OF PUBLICATION

NOTICE OF PUBLICATION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge permit renewal 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:

93

1.(GW-~~258~~) - Burlington Resources Inc., 3401E 30 th Street , Farmington, New Mexico 87402, has submitted an application for renewal of their previously approved discharge plan for the Rattle Snake Natural Gas Compressor Station in the NW/4 NW/4 of Section 36, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico. Approximately 9169 gallons per month of hydrocarbons and water is discharged onsite into two above ground bermed closed top tanks, one double walled under ground sump, and a open top tank. All liquids are properly contained on location prior to transport offsite for disposal. Liquids transported offsite include 1) Produced water to an OCD approved disposal facility; 2) Used oil to an approved recycling facility; 3) and crude/condensate to a refinery facility. Ground water could be affected by a spill, leak or accidental discharge to the surface. Aquifer waters in the San Jose Formation under lying the location have an average specific conductance of 2,000 micromhos which is approximately equal to 1,400 ppm TDS. (New Mexico Bureau of Mines, Hydrologic Report 6, 1983). Ground water is at a depth of approximately 60 feet. In the unlikely event a spill does occur, the discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water.

The New Mexico Oil Conservation Division will accept comments and statements of interest regarding this application and will create a facility-specific mailing list for persons who wish to receive future notices. Persons interested in obtaining further information, submitting comments or requesting to be on a facility-specific mailing list for future notices may contact:

Leonard Lowe
Environmental Bureau
New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505
Office: (505) 476-3491

Nota de Publicación

El siguiente permiso de renovación para descarga ha sido sometido al director de la División de Conservación de Petróleo, 1220 S. Saint Francis Drive, Santa Fe, Nuevo México 87505, (505) 476-3440; conforme a la Comisión de Regulación de Control de Calidad de Agua de Nuevo México:

93

1. (GW-~~258~~) - Burlington Resources, Inc., 3401 E 30 th Street, Farmington, Nuevo Mexico 87402, a sometido una aplicación para la renovación del permiso aprobado previamente para un plan de descarga para la estación de Compresión Rattle Snake ubicado en la esquina noroeste de la Sección 36, Municipio 31 al norte, 9 al oeste, NMPM, Condado de San Juan, Nuevo Mexico. Aproximadamente 9169 galones por mes de desecho de hidrocarburos y agua serán descargados en un tanque cubierto localizado sobre la tierra, un sumidero de doble cubierta por debajo de la tierra y un tanque abierto en el tope. Todos lo líquidos estarán apropiadamente contenidos previo al transporte de los desechos. Los liquidos transportados incluyen 1) agua producida para OCD instalación de desecho aprobada; 2) aceite utilizado para instalación de reciclaje aprobada; 3) y crudo condensado para instalación de refineria.
El agua puede ser afectada por un derrame, fuga o descarga accidental a la superficie. Los acuíferos ubicados debajo de la formación de San Jose tienen un promedio especifico de conductancia de 2,000 micromhos, lo cual equivale a aproximadamente 1,400 ppm TDS. (New Mexico Bureau of Mines, Hydrologic Report 6, 1983). El agua esta a una profundidad de aproximadamente 60 pies. El plan de descarga esta dirigido a como los derrames, fugas u otras descargas accidentales a la superficie serán manejadas para proteger el agua fresca.

La Division de Conservacion de Petroléo de Nuevo Mexico (New Mexico Oil Conservation Division) aceptará comentarios y declaraciones de interés y creará una lista especifica a la facilidad para personas deseando recibir noticias futuras por correo. Personas interesadas en obtener información futura o deseando ser puesto en una lista especifica para recibir noticias futuras por correo deben ponerse en contacto con:
Sr. Leonard Lowe
Environmental Bureau
New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505
Oficina: (505) 476-3491

Legal No. 55703 published in The Daily Times, Farmington, New Mexico on Thursday, September 20, 2007

THE SANTA FE
NEW MEXICAN
Founded 1849

MAY 2 PM 1 04

NM EMNRD OIL CONSERV
ATTN: Leonard Lowe
1220 S ST FRANCIS DR
SANTA FE NM 87505

ALTERNATE ACCOUNT: 56689
AD NUMBER: 00211269 ACCOUNT: 00002212
LEGAL NO: 80818 P.O. #: 52100-44

315 LINES 1 TIME(S)	176.40
AFFIDAVIT:	6.00
TAX:	13.91
TOTAL:	196.31

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, R. Lara, being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 80818 a copy of which is hereto attached was published in said newspaper 1 day(s) between 04/24/2007 and 04/24/2007 and that the notice was published in the newspaper proper and not in any supplement; the first date of publication being on the 24th day of April, 2007 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/ R. Lara
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 24th day of April, 2007

Notary Laura E. Harding

Commission Expires: 11/23/07

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

NOTICE OF PUBLICATION

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

Notice is hereby given that pursuant to New Mexico *Water Quality* Control Commission Regulations (20.6.2.3106 NMAC), the following discharge permit application(s) has been submitted to the Director of the New Mexico Oil Conservation Division ("NMOCD"), 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-093) Burlington Resources Inc., Greg Wurtz, Environmental Representative, P.O. Box 4289, Farmington New Mexico 87499-4289 has submitted a renewal application for the previously approved discharge plan for their Rattle Snake Compressor Station, located in NW/4 NW/4 Section 36, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico. Natural gas products, waste oil and water *are stored* in above ground tanks prior to being transported off-site to OCD approved facilities. Approximately 9169 gallons per month of hydrocarbons and water are discharged onsite into two above ground bermed closed top tanks, one double walled under ground sump, and a open top tank. Groundwater most likely to be affected in the event of an accidental discharge is at a depth of approximately 60 feet, with a total dissolved solid concentration of approximately 1,400 ppm. The discharge plan addresses how oilfield products and waste 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.

The NMOCD has determined that the application is administratively complete and has prepared a draft permit. The NMOCD will accept comments and statements of interest regarding this application and will create a facility-specific mailing list for persons who wish to receive future notices. Persons interested in obtaining further information, submitting comments or requesting to be on a facility-specific mailing list for future notices may contact the Environmental Bureau Chief of the Oil Conservation Division at the address given above. The administrative completeness determination and draft permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday, or may also be viewed at the NMOCD web site http://www.emnrd.state.nm.us/ocd/. Persons interested in obtaining a copy of the application and draft permit may contact the NMOCD at the address given above. Prior to ruling on any proposed discharge permit or major modification, the Director shall allow a period of at least thirty (30) days after the date of publication of this notice, during which interested persons may submit comments or request that NMOCD hold a public hearing. 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 that there is significant public interest.

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

Para obtener más información sobre esta solicitud en espan_ol, sírvase comunicarse por favor: New Mexico Energy, Minerals and Natural Resources Department (Depto. Del Energia, Minerals y Recursos Naturales de Nuevo México), Oil Conservation Division (Depto. Conservacio n Del Petróleo), 1220 South St. Francis Drive, Santa Fe, New México (Contacto: Dorothy Phillips, 505-476-3461)

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 18th day of April 2007.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

Mark Fesmire, Director

Legal #80818
Pub. Apr. 24, 2007

THE DAILY TIMES
FARMINGTON, NEW MEXICO
THE FOUR CORNERS INFORMATION LEADER

PO Box 450 Farmington, NM 87499

2007 MAY 2 PM 1 04

Date: 04/25/07

NM ENERGY, MINERALS & NATURA

NM ENERGY, MINERALS & NA
1220 S ST. FRANCIS DR
SANTA FE, NM 87505
(505) 476-3491

Ad#	Publication	Class	Start	Stop	Times	AS/400 Acct
1000666645	FARMINGTO	0152 - Legal Notices	04/23/2007	04/23/2007	1	781310
1000666645	FARMINGTO	0152 - Legal Notices	04/23/2007	04/23/2007	1	781310

Total Cost:	$155.35
Payment:	$0.00
Balance Due:	$155.35

TEXT:

NOTICE OF PUBLICATIONSTATE OF NEW MEXICOENERGY, MINERALS AND NAT

Please include Ad number on your payment.

AFFIDAVIT OF PUBLICATION

Ad No. 55005

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):

Monday, April 23, 2007

And the cost of the publication is $155.35

Robin Allison

ON 4/26/07 ROBIN ALLISON appeared before me, whom I know personally to be the person who signed the above document.

Wynell Casey

My Commission Expires Nov. 17, 2008

COPY OF PUBLICATION

NOTICE OF PUBLICATION

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

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(GW-093) Burlington Resources Inc., Greg Wurtz, Environmental Representative, P.O. Box 4289, Farmington New Mexico 87499-4289 has submitted a renewal application for the previously approved discharge plan for their Rattle Snake Compressor Station, located in NW/4 NW/4 Section 36, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico. Natural gas products, waste oil and water are stored in above ground tanks prior to being transported off-site to OCD approved facilities. Approximately 9169 gallons per month of hydrocarbons and water are discharged onsite into two above ground bermed closed top tanks, one double walled under ground sump, and a open top tank. Groundwater most likely to be affected in the event of an accidental discharge is at a depth of approximately 60 feet, with a total dissolved solid concentration of approximately 1,400 ppm. The discharge plan addresses how oilfield products and waste 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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Para obtener más información sobre esta solicitud en espan?ol, sirvase comunicarse por favor: New Mexico Energy, Minerals and Natural Resources Department (Depto. Del Energia, Minerals y Recursos Naturales de Nuevo México), Oil Conservation Division (Depto. Conservacion Del Petróleo), 1220 South St. Francis Drive, Santa Fe, New México (Contacto: Dorothy Phillips, 505-476-3461)

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 18th day of April 2007.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
Mark Fesmire, Director

SEAL

Legal No. 55005 published in The Daily Times, Farmington, New Mexico on Monday April 23, 2007

Lowe, Leonard, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Wednesday, April 18, 2007 10:02 AM
To: 'gregg.g.wurtz@conocophillips.com'
Cc: Price, Wayne, EMNRD; Stone, Ben, EMNRD
Subject: Rattle snake Compressor Station Discharge Plan Administratively Complete
Attachments: PN Flow Chart.20.6.2renewal.pdf; Renewal WQCC Notice Regs.pdf; BR Admin Comp Letter.DOC; BR - Draft Discharge Plan.doc

Mr. Gregg Wurtz

The **Administratively Complete** portion of the Discharge Plan renewal process is complete for the Rattle Snake compressor station (GW-093).

The following items are attached:

1. The **Administratively Complete** Letter.

2. The **DRAFT** discharge plan.

3. A flow chart on how the renewal Discharge Plan process "works".

4. WQCC Renewal Notice Requirements. Please read through these instructions to determine the content of your Public Notice announcement. It would be prudent for Burlington Resources Inc. to send a draft copy of your Public Notice to the OCD prior to you publishing it. This will ensure that the applicant's public notice is printed correctly. If printed incorrectly, OCD will require that the applicant reissue the public notice. Once the applicant has submitted their public notice to the local paper an affidavit of the public notice shall be sent to the OCD office for records.

NOTE: Please do not send your discharge plan fee until the 30 - 60 day waiting period has expired or until public interest has been concluded.

I will be sending you an example of what YOUR public notice should read like.

If you have any questions please contact me at the information stated below.

Thank you for your attention.

llowe

Leonard Lowe
Environmental Engineer
Oil Conservation Division, EMNRD
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505
Phone: (505) 476-3492
Fax: (505) 476-3462
E-mail: leonard.lowe@state.nm.us

Lowe, Leonard, EMNRD

From: Wurtz, Jack G [Gregg.G.Wurtz@conocophillips.com]
Sent: Friday, March 16, 2007 4:06 PM
To: Lowe, Leonard, EMNRD
Subject: RE: A few questions
Attachments: Rattle Snake_Public Notice V2.DOC

Leonard,

Groundwater:
Depth to ground water is estimated to be 60 feet below ground surface at the compressor station. This based on the elevation of the adjacent wash stream bed elevation.

News Paper information: Farmington Daily Times, Farmington New Mexico

I am working on the acceptable public notice in both English and Spanish. I have included a draft of the public statement. Let me know if I am on the right track.

Thank you.,

Gregg

From: Lowe, Leonard, EMNRD [mailto:Leonard.Lowe@state.nm.us]
Sent: Monday, March 12, 2007 2:41 PM
To: Wurtz, Jack G
Subject: A few questions

Mr. Gregg Wurtz,

I have reviewed your DP application.

I have a few questions:

1. You describe 'ground water' in the vicinity of the Compressor Station (CS) (*i.e. is present via the nearby wash and note that the CS is 40-60 ft above the wash*), but you never state the depth to ground water. What is the depth to ground water at this location?

2. What news paper are you going to use to publish your public notice?

Please get back to me on this.

Thank you for your attention.

llowe

Leonard Lowe
Environmental Engineer
Oil Conservation Division, EMNRD
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505
Phone: (505) 476-3492

Fax: (505) 476-3462
E-mail: leonard.lowe@state.nm.us

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. _____ dated 3/13/07

or cash received on _____ in the amount of $ 100.00

from ConocoPhillips Co.

for GW-093

Submitted by: Lawrence Romero Date: 3/13/07

Submitted to ASD by: Lawrence Romero Date: 3/13/07

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 _____

BURLINGTON
RESOURCES
San Juan Division

February 27, 2007 Federal Express #

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

Re: Discharge Plan Renewal (GW-93)
Rattlesnake Compressor Station

Dear Mr. Price

Burlington Resources Inc. is to providing your department with two copies of the Discharge Plan renewal for the Rattle Snake Compressor Station (GW -93). 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 intentional disposal or discharge 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 Brandon Powell 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: Brandon Powell- NMOCD Aztec Office (one plan copy)
File – Rattle Snake Compressor Station: Discharge Plan\Correspondence

s:\grndwtr\facility\Rattle snake\cooresp\Rattle Snakerenewal ltr_2001 .doc

3401 East 30th Street, 87402-8807, P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700, Fax 505-326-9833

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 X Renewal ☐ Modification

1. Type: Rattle Snake Gas Compressor Station (GW258)

2. Operator: Burlington Resources Inc.
   Address: P.O. Box 4289 Farmington, NM 87499-4289

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

3. Location: NW /4 NW /4 Section 36 Township 31N Range 9W
   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: Sr. Environmental Representative

Signature: Gregg Wurtz Date: 2/27/07

E-mail Address: gregg.g.wurtz@conocophillips.com

RATTLESNAKE COMPRESSOR STATION
DISCHARGE PLAN

February 27, 2007

Prepared for:

Burlington Resources
Farmington, New Mexico

Revised by:

Gregg Wurtz

TABLE OF CONTENTS

RATTLESNAKE COMPRESSOR STATION
DISCHARGE PLAN

I. TYPE OF OPERATION

The Rattlesnake Compressor Station (Rattlesnake) is a natural gas compressor station that receives 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: Burlington Resources	**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 9W**	**Quarter/Quarter: D** **Section: 36**	**County: San Juan**

IV. LANDOWNERS

Name: State of New Mexico	**Address: P.O. Box 1148**
City: Santa Fe	**State: New Mexico**
Zip: 87504-1148	**Phone: (505) 827-7153**

Figure 1 is an area map showing the physical location of the compressor station.

V. FACILITY DESCRIPTION

Rattlesnake is constructed on a pad of approximately 1.2 acres in size. It consists of one natural gas compression engine (750 hp), one dehydration unit, and the following tanks and sump:

Container Type	Capacity	Product	Construction Material	Location
Tank (T-1)	100 Barrel	Used Lube Oil	Steel	Above Ground
Tank (T-2)	12 Barrel	New Lube Oil	Steel	Above Ground
Tank (T-3)	12 Barrel	Ethylene Glycol (EG)	Steel	Above Ground
Tank (T-4)	100 Barrel	Pipeline Condensate	Steel	Above Ground
Tank (T-5)	23 Barrel	Triethylene Glycol (TEG)	Fiberglass	Above Ground
Open Top Tank (T-6)	40 Barrel	Produced Water	Fiberglass	Above Ground
Open Top Tank (T-7)	40 Barrel	Produced Water	Fiberglass	Above Ground
Process Sump (T-8)	650 Gallon	Water, TEG, EG, Oil	Fiberglass	Below Ground

Figure 2 (attached) illustrates the overall facility layout.

VI. MATERIALS STORED OR USED AT THE FACILITY

A. Waste Stream Data

Source of Waste	Type of Waste	Volume/Month	Type/Volume of Additives	Collection System/Storage
Dehydration Unit	Produced Water	20 barrels	None	Open Top Tank
Dehydration Unit	TEG	Intermittent	None	Open Top Tank
Dehydration Unit	Used TEG Filters	1	None	Container/Bin
Discharge Coalescer	Produced Water	1 – 2 barrels	None	Open Top Tank
Compressor Engines	Leaks	Intermittent	EG, Oil, Water	Sump
Compressor Engines	Used Oil	80 gallons	None	Tank
Compressor Engines	Oil Filters	7	None	Container/Bin
Discharge Coalescer	Coalescer Filters	2 per year (3 changes)	None	Container/Bin
General Refuse	Solid Waste	1 yard	None	Container/Bin

B. Quality Characteristics

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

2. Produced water from the 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. Wash water (fresh water) is not introduced into the commingled waste stream. Instead, wash water is pumped directly from the sump and properly disposed of by the contractor performing the washing service.

VII. WASTE COLLECTION STORAGE AND DISPOSAL

A. Fluid Storage

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

B. Flow Schematics

Waste stream and process stream flow for major equipment at the compressor station is shown in Figure 3.

C. Surface and Subsurface Discharge Potential

1. Below ground pipes carry process fluids as well as waste fluids. Figure 3 illustrates those lines that are above and below ground. Also included in Figure 3 is the respective age and size of the underground lines. Mechanical integrity testing is performed as the lines are installed and on an as needed basis (during modifications or repairs).

2. The table in Section V provides a listing of all above ground tanks and the onsite below ground sump. Unintentional drips and leaks from the compressor engine, and compressor may drain into the underground sump. Fluids collected in the sump are periodically removed and properly disposed.

3. The size and construction material of the onsite collection equipment is described in the table in Section V.

D. NMOCD Design Criteria

1. All storage tanks are surrounded by an earthen berm. The capacity of the bermed area meets or exceeds 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.

2. The TEG regenerator is located on a concrete pad equipped with containment curbs to capture any leaks that may occur during the TEG regeneration process. The TEG storage tank (T-5) and open top tank (T-6) are located on the same concrete pad.

3. The below grade water drain tank is constructed of carbon steel and the outside perimeter of the tank is visable for inspection.

4. An impermeable bermed containment will be installed if a major modification to the existing tank battery occurs and the potential for a release to the environment exists. BR will consider the replacement of a single tank within a multiple tank battery a minor modification. A major modification may include but is not limited to replacing the entire tank battery or increasing tank volume substantially

5. Drums storing product may be used or stored on location on occasion. To reduce the risk of spilled product from contacting the ground surface, BR stores these drums within the building that has secondary containment. To reduce the risk of leaked process fluids from contacting the ground surface BR has constructed curbed concrete or containment around process equipment with a higher probability of a spill/leak

E. Underground Pipelines

The mechanical integrity testing of the underground wastewater pipelines is performed prior to start-up and once every five years from the date of permit renewal approval. NMOCD will be notified 72 hours prior to testing.

F. Proposed Modifications

All storage, transfer, and containment systems meet the criteria described in "Guidelines for the Preparation of Ground Water Discharge Plans at Natural Gas Plants, Refineries, Compressors and Crude Oil Pump Stations" (NMOCD 12/95). No additional modifications are proposed at this time.

VIII. EFFLUENT AND SOLIDS DISPOSAL

A. On-Site Facilities

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

B. Off-Site Facilities

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

Waste Stream	Onsite Storage	Shipping Agent	Final Disposition	Receiving Facility
Produced Water	Tank	*See Note 1*	Class II Well	*See Note 2*
Coalescer, Used Oil, TEG and Fuel Gas Filters	Bin	*See Note 3*	Landfill	Waste Management C/R 3100 Aztec, NM Profile # 266305, 401866, 266263
Leaks (EG, Oil, Water)	Process Sump	Mesa Oil Inc. or *See Note 1*	Recoiling Facility, Class 1 Well	Mesa Oil Inc. or Key Disposal Injection Well
Used Oil	Tank	Mesa Oil Inc. 20 Lucero Rd. Belen, NM 87002	Recycled	Mesa Oil Inc. 20 Lucero Rd. Belen, NM 87002
TEG	Regenerator	Overland Dehy 5895 US Hwy. 64 Bloomfield, NM	Recycled	Overland Dehy 5895 US Hwy. 64 Bloomfield, NM
Solid Waste *(General Refuse)*	Bin	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

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

I.E.I
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. In addition, the sump is equipped with an inspection indicator light attached to the meter between the primary and secondary walls to allow for periodic visual inspection.

As described in Section VII. D. 1 of this plan, 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.

Rattlesnake is an unmanned facility that operates 24 hours per day, 365 days per year. Burlington personnel frequently visit the site to perform maintenance, inspect the equipment and ensure proper operation of the station.

B. Precipitation/Storm Water Runoff Control

Storm water run-off does not come in contact with process waste streams. Any precipitation that contacts the process equipment is contained within bermed or containment areas and allowed to evaporate. The facility pad is maintained and armored with gravel where applicable to prevent surface accumulations and erosion.

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 quantity of oil or a hazardous substance in storm water in the last three years. The Rattle Snake 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

Prevention of accidental releases from these sources is a priority of Burlington. 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 Burlington personnel.

B. Spill/Leak Clean Up

General spill clean up 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, Burlington will notify the NMOCD in accordance with the provisions described in NMOCD Rule and Regulation #116 and WQCC Section 1203.

XI. SITE CHARACTERISTICS

A. Hydrologic Features

1. *Surface Water*: There are no known surface water bodies within one mile of Rattlesnake.

2. *Domestic Water Sources*: There are no known domestic water wells within 1/4 mile of the facility perimeter.

3. *Ground Water Discharge Sites*: Minix Spring is just over one mile to the north of the facility perimeter. (USGS 7.5 minute series topographical map, Archuleta Quadragle)

4. *Ground Water:* The San Jose Formation occurs at the surface in the area of the compressor station. Aquifer waters in the San Jose Formation have an average specific conductance of 2,000 micromhos which is approximately equal to 1,400 ppm TDS. (New Mexico Bureau of Mines, Hydrologic Report 6, 1983).

   Ground water under the facility is most likely influenced by a nearby dry wash. Rattlesnake is situated 40 to 60 feet in elevation above the dry wash.

B. Geologic Description

In the area of the compressor station the San Jose Formation is predominately sandstone exhibiting coarse-grained and pebbly characteristics. The formation in this area ranges from 150 to 800 ft in thickness. (New Mexico Bureau of Mines, Hydrologic Report 6, 1983)

C. Flood Protection

The compressor station is situated 40 to 60 feet above a dry stream channel in Rattlesnake Canyon. Special flood control 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 have been installed and are periodically inspected to insure proper operation. As a result, Burlington 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.

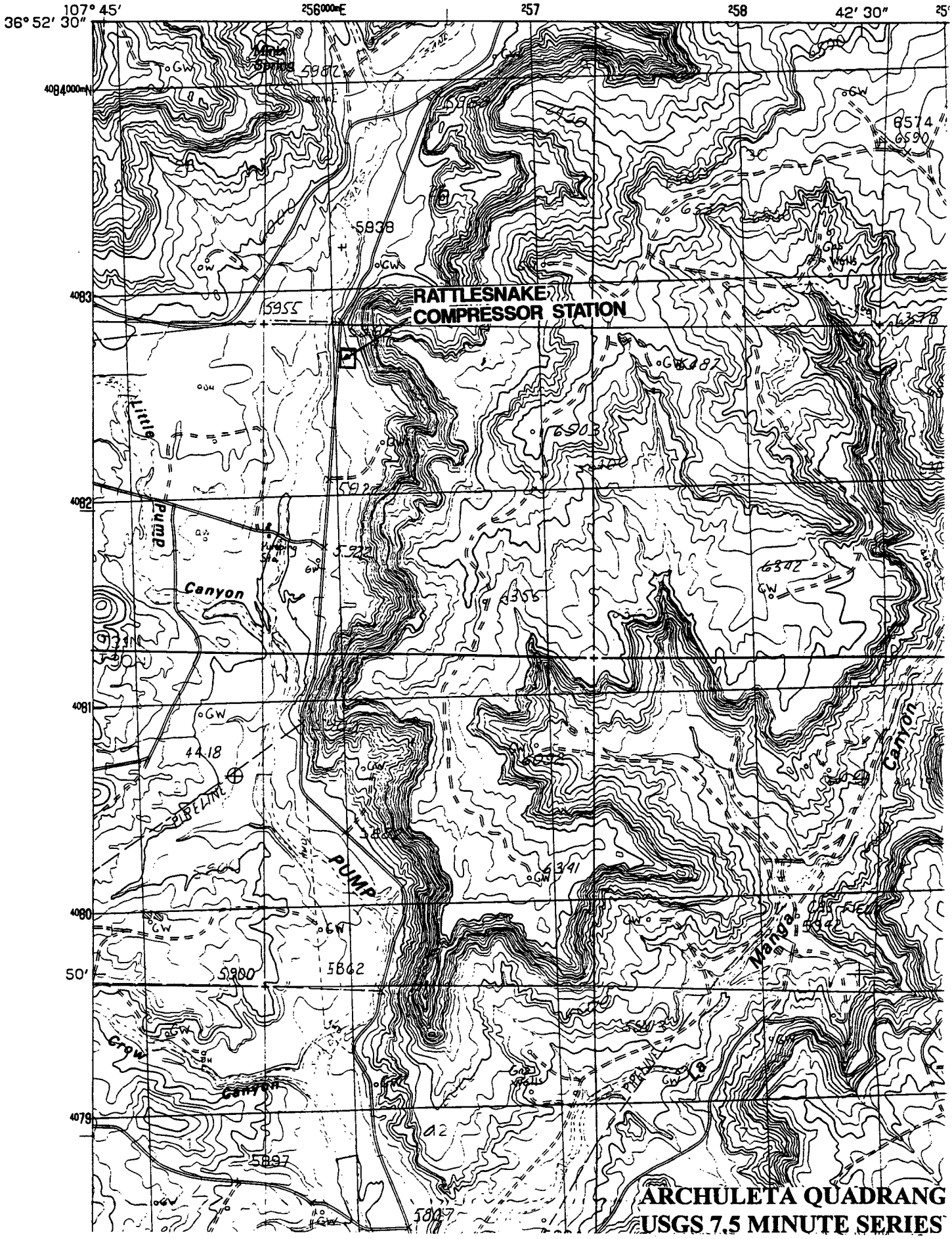
XIII. AFFIRMATION

"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: Gregg Wurtz Title: Environmental Health and Safety Representative

Signature: Gregg Wurtz Date: 2/27/07

FIGURE 1: AREA MAP OF THE RATTLESNAKE COMPRESSOR STATION



ARCHULETA QUADRANG
USGS 7.5 MINUTE SERIES

FIGURE 2: SITE DIAGRAM OF THE RATTLESNAKE COMPRESSOR STATION

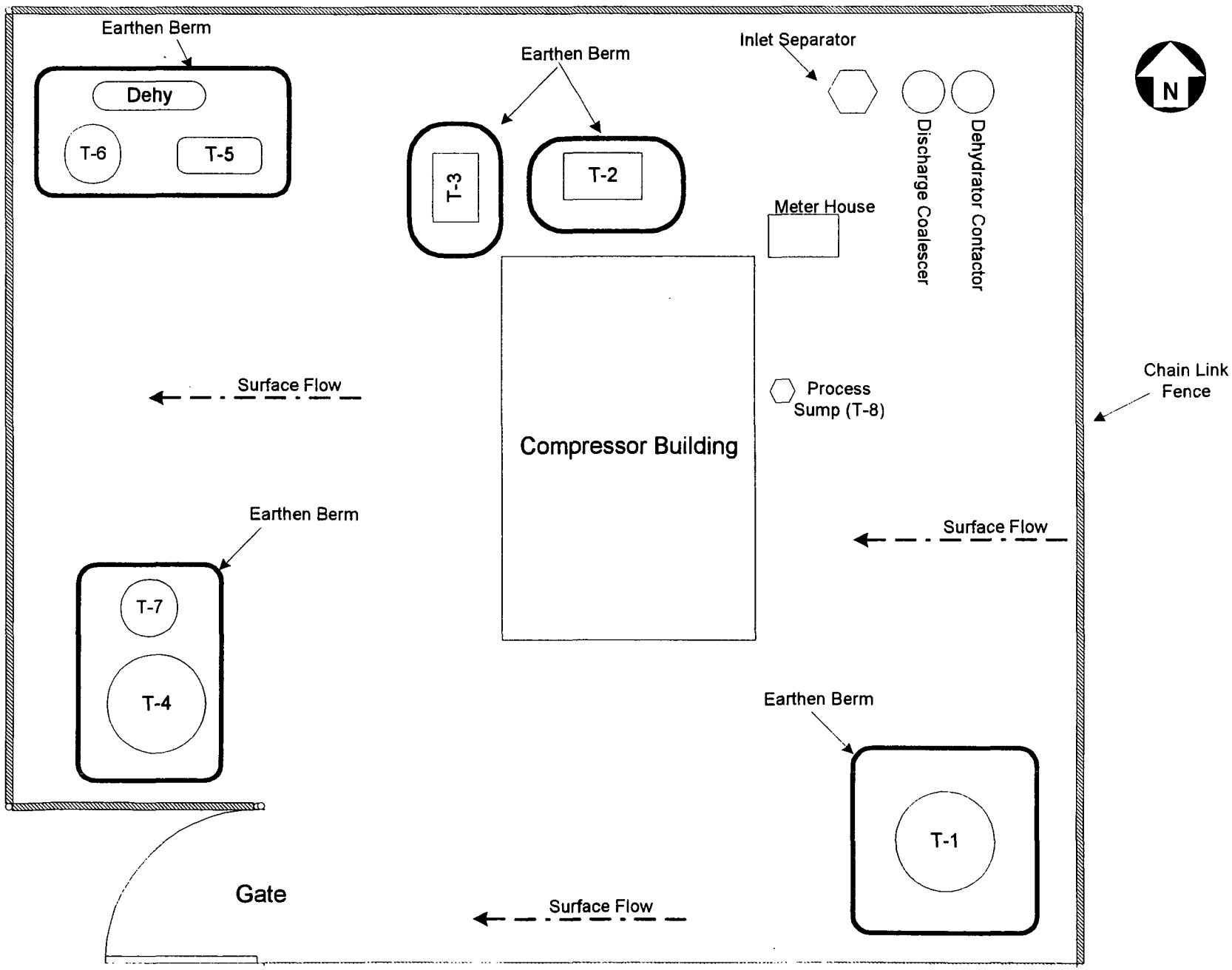
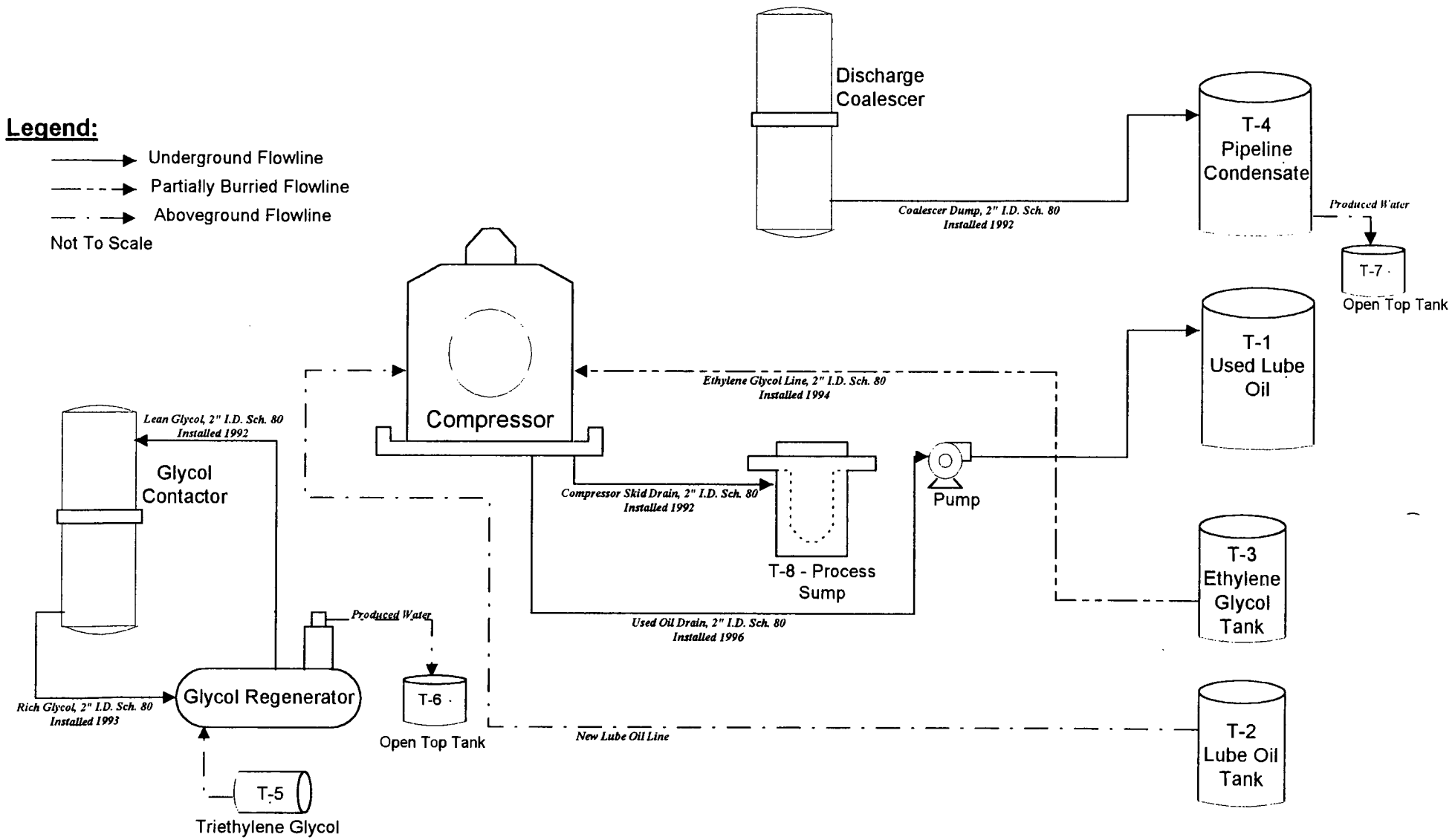


FIGURE 3: FLOWLINE SCHEMATIC
RATTLESNAKE COMPRESSOR STATION



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 4/03/02

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

from BURLINGTON RESOURCES

for RATTLESNAKE COMA. ST GW-093
(Facility Name) (OCD No.)

Submitted by: WAYNE PRICE Date: 5/8/02

Submitted to ASD by: [signature] Date: 5/8/02

Received in ASD by: _____ Date: _____

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 ___

OCUMENT CONTAINS ANTI-COPY VOID PANTOGRAPH, MICRO PRINT BORDER, VERIFICATION BOX (TO RIGHT OF ARROW, HOLD BETWEEN THUMB AND OREFINGER, 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	04/03/2002	[redacted]

VALID FOR 60 DAYS

PAY One thousand seven hundred and 00/100 Dollars $ **********1,700.00

TO THE ORDER OF: WATER QUALITY MANAGEMENT FUND
C/O OIL CONSERVATION DIVISION
1220 S ST FRANCIS DR
SANTA FE NM 87504

GW-093

CITIBANK, DELAWARE
NEW CASTLE, DE 19720

[redacted]

BURLINGTON RESOURCES
SAN JUAN DIVISION

April 5, 2002

Certified70993400001842165261

Rodger Anderson
Environmental Bureau Chief
New Mexico Oil Conservation Division
1220 S. St Francis Drive
Santa Fe, New Mexico 87505

Re: Discharge Plan Requirements and fee
Rattlesnake Compressor Station GW-093

Dear Mr. Anderson:

Please find enclosed the Discharge Plan Approval Conditions for the above referenced facility and check for the flat fee of $1700.00 for natural gas compressor stations with horsepower ratings greater than 1000 horsepower.

If you have any questions concerning this submittal, you can contact me by phone at (505) 326-9537.

Sincerely,

Gregg Wurtz
Environmental Representative

Enclosed: Discharge Plan Requirements - Rattlesnake Compressor Station
Draft for 1700.00 payable to Water Quality Management fund

File - Rattlesnake Compressor Station: Discharge Plan - Correspondence

AFFIDAVIT OF PUBLICATION

Ad No. 45439

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, December 20, 2001.

And the cost of the publication is $91.00.

Connie Pruitt

ON 12/21/01 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Jacqueline L Alcorn

My Commission Expires October 22, 2005

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:

(GW-093) - Burlington Resources, Greg Wurtz, Environmental Representative, P.O. Box 4289, Farmington, New Mexico 87499-4289, has submitted a discharge plan renewal application for their Rattlesnake Natural Gas Compressor Station located in the NW/4 of Section 36, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico. Natural gas products, waste oil and water is 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 25 feet with an estimated total dissolved solids concentration of approximately 1200 mg/l. The discharge plan addresses how oilfield products and waste 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-033) - Western Gas Resources, Inc., Mr. James Fleak, (303)-252-6237, 12200 N. Pecos Street, Denver, CO, 80234-3439, has submitted a Discharge Plan Renewal Application for their "San Juan River" Gas Plant located in Section 1, Township 29 North, Range 15 West, NMPM, San Juan County, New Mexico. Plant process wastewater is discharged to a double lined surface evaporation pond, designed with a primary liner leak detection system. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 10 feet with a total dissolved solids concentration of approximately 4,500 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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

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

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 14th day of December 2001.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

LORI WROTENBERY, Director

Legal No. 45439, published in the Daily Times, Farmington, New Mexico, Thursday, December 20, 2001.

Approved

Advertising Receipt

02 JAN 17 AM 9:45

Farmington Daily Times
PO Box 450
Farmington, NM 87499
Phone: (505) 325-4545
Fax: (505) 564-4580

STATE OF NEW MEXICO MINING AND
~~MINERALS DIVISION~~
~~2040 SOUTH PACHECO~~ STREET
~~SANTA FE, NM~~ 87505

Cust#: d0104557-000
Ad#: 05512394
Phone: (505)827-1174
Date: 12/26/01

Ad taker: LD **Salesperson:** SR **Classification:** 999

Description	Start	Stop	Ins.	Cost/Day	Surcharges	Total
01 Daily Times	12/20/01	12/20/01	1	85.80		85.80

Payment Reference:

Total:	85.80
Tax:	5.20
Net:	91.00
Prepaid:	0.00
Total Due	91.00

NOTICE OF PUBLICATION

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

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THE SANTA FE
NEW MEXICAN
Founded 1849

OIL CONSERVATION DIV.

02 JAN -9 PM 3:21

NM OIL CONSERVATION DIVISION
1220 ST. FRANCIS
SANTA FE, NM 87505
ATTN WAYNE PRICE

AD NUMBER: 240387 ACCOUNT: 56689
LEGAL NO: 70898 P.O.#: 2199000249
296 LINES 1 time(s) at $ 130.48
AFFIDAVITS: 5.25
TAX: 8.48
TOTAL: 144.21

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, _____ 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 #70898 a copy of which is hereto attached was published in said newspaper 1 day(s) between 12/20/2001 and 12/20/2001 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 20 day of December, 2001 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/_____
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this
20 day of December A.D., 2001

Notary _____

Commission Expires _____

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

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(GW-033) - Western Gas Resources, Inc., Mr. James Fleak, (303)-252-6237, 12200 N. Pecos Street, Denver, CO, 80234-3439, has submitted a Discharge Plan Renewal Application for their "San Juan River" Gas Plant located in Section 1, Township 29 North, Range 15 West, NMPM, San Juan County, New Mexico. Plant process wastewater is discharged to a double lined surface evaporation pond, designed with a primary liner leak detection system. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 10 feet with a total dissolved solids concentration of approximately 4,500 mg/L. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

(GW-276) - Hydrostatic Pipe Services, Inc., Darrell Deming, Jr., (505)393-7508, P.O. Box 2428, Hobbs, New Mexico 88240, has submitted a discharge application for its Oilfield Pressure-Testing Company located in the SE/4 SW/4 of Section 32, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico. Wastewater is discharged to the City of Hobbs sewer system (POTW). Ground water most likely to be affected in the even of an accidental discharge is at a depth of approximately 34 feet with a total dissolved solids concentration of approximately 1,310 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.

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 14th day of December 2001.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

LORI WROTENBERY, Director

Legal # 70898
Pub. December 20, 2001

AFFIDAVIT OF PUBLICATION

Ad No. 45439

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, December 20, 2001.

And the cost of the publication is $91.00.

Connie Pruitt

ON 12/21/01 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Jacqueline L Allcorn

My Commission Expires October 22, 2005

NOTICE OF PUBLICATION

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

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 14th day of December 2001.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

LORI WROTENBERY, Director

Legal No. 45439, published in the Daily Times, Farmington, New Mexico, Thursday, December 20, 2001.

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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 14th day of December 2001.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

for LORI WROTENBERY, Director

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:

(GW-093) - Burlington Resources, Greg Wurtz, Environmental Representative, P.O. Box 4289, Farmington, New Mexico 87499-4289, has submitted a discharge plan renewal application for their Rattlesnake Natural Gas Compressor Station located in the NW/4 of Section 36, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico. Natural gas products, waste oil and water is 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 25 feet with an estimated total dissolved solids concentration of approximately 1200 mg/I. The discharge plan addresses how oilfield products and waste 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-033) - Western Gas Resources, Inc., Mr. James Fleak, (303)-252-6237, 12200 N. Pecos Street, Denver, CO, 80234-3439, has submitted a Discharge Plan Renewal Application for their "San Juan River" Gas Plant located in Section 1, Township 29 North, Range 15 West, NMPM, San Juan County, New Mexico. Plant process wastewater is discharged to a double lined surface evaporation pond, designed with a primary liner leak detection system. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 10 feet with a total dissolved solids concentration of approximately 4,500 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-276) - Hydrostatic Pipe Services, Inc., Darrell Deming, Jr., (505) 393-7508, P.O. Box 2428, Hobbs, New Mexico 88240, has submitted a discharge application for its Oilfield Pressure-Testing Company located in the SE/4 SW/4 of Section 32, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico. Wastewater is discharged to the City of Hobbs sewer system (POTW). Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 34 feet with a total dissolved solids concentration of approximately 1,310 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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

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

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 14th day of December 2001.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Roger Anderson

SEAL

for LORI WROTENBERY, Director

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 8/30/01

or cash received on _____ in the amount of $ 100.00

from BURLINGTON RESOURCES

for RATTLESNAKE COMP. ST GW-093

Submitted by: WAYNE PRICE Date: 10/9/01

Submitted to ASD by: _____ Date: "

Received in ASD by: _____ Date: _____

Filing Fee ✓ New Facility ___ Renewal ___

Modification ___ Other _____

Organization Code 521.07 Applicable FY 2002

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	08/30/2001	[redacted]

PAY...ONE HUNDRED DOLLARS 00 CENTS

VALID FOR 60 DAYS

$*******100.00

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

GW-93

CITIBANK, DELAWARE
NEW CASTLE, DE 19720

[redacted]

BURLINGTON RESOURCES

SAN JUAN DIVISION

September 5, 2001

Cert. Mail # *70993400001842165612*

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

RECEIVED
SEP 10 2001
OIL CONSERVATION DIVISION

Re: Groundwater Discharge Plan Renewal (GW-93)
Rattlesnake Compressor Station

Dear Mr. Anderson:

Burlington Resources Inc. is to providing your department with two copies of the Discharge Plan renewal for the Rattle Snake Compressor Station (GW -93). 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

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 – Rattle Snake Compressor Station: Discharge Plan\Correspondence

s:\grndwtr\facility\Rattle snake\cooresp\Rattle Snakerenewal ltr_2001 .doc

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

1. Type: Rattle Snake Natural Gas Compressor Station (GW258)
2. Operator: Burlington Resources Inc.

   Address: P.O. Box 4289 Farmington NM 87499-4289

   Contact Person: Gregg Wurtz Phone: (505) 326-9537
3. Location: NW /4 NW /4 Section 36 Township 31N Range 9W
   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: SR. Environmental Representative

Signature: Gregg Wurtz Date: 8/30/01

RATTLESNAKE COMPRESSOR STATION
GROUND WATER DISCHARGE PLAN

August 24, 2001

Prepared for:

Burlington Resources
Farmington, New Mexico

Revised by:

Gregg Wurtz

TABLE OF CONTENTS

RATTLESNAKE COMPRESSOR STATION
DISCHARGE PLAN

I. TYPE OF OPERATION

The Rattlesnake Compressor Station (Rattlesnake) is a natural gas compressor station that receives 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: Burlington Resources	**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 9W**	**Quarter/Quarter: D** **Section: 36**	**County: San Juan**

IV. LANDOWNERS

Name: State of New Mexico	**Address: P.O. Box 1148**
City: Santa Fe	**State: New Mexico**
Zip: 87504-1148	**Phone: (505) 827-7153**

Figure 1 is an area map showing the physical location of the compressor station.

V. FACILITY DESCRIPTION

Rattlesnake is constructed on a pad of approximately 1.2 acres in size. It consists of one natural gas compression engine (750 hp), one dehydration unit, and the following tanks and sump:

Container Type	Capacity	Product	Construction Material	Location
Tank (T-1)	100 Barrel	Used Lube Oil	Steel	Above Ground
Tank (T-2)	12 Barrel	New Lube Oil	Steel	Above Ground
Tank (T-3)	12 Barrel	Ethylene Glycol (EG)	Steel	Above Ground
Tank (T-4)	100 Barrel	Pipeline Condensate	Steel	Above Ground
Tank (T-5)	23 Barrel	Triethylene Glycol (TEG)	Fiberglass	Above Ground
Open Top Tank (T-6)	40 Barrel	Produced Water	Fiberglass	Above Ground
Open Top Tank (T-7)	40 Barrel	Produced Water	Fiberglass	Above Ground
Process Sump (T-8)	650 Gallon	Water, TEG, EG, Oil	Fiberglass	Below Ground

Figure 2 (attached) illustrates the overall facility layout.

VI. MATERIALS STORED OR USED AT THE FACILITY

A. Waste Stream Data

Source of Waste	Type of Waste	Volume/Month	Type/Volume of Additives	Collection System/Storage
Dehydration Unit	Produced Water	20 barrels	None	Open Top Tank
Dehydration Unit	TEG	Intermittent	None	Open Top Tank
Dehydration Unit	Used TEG Filters	1	None	Container/Bin
Discharge Coalescer	Produced Water	1 - 2 barrels	None	Open Top Tank
Compressor Engines	Leaks	Intermittent	EG, Oil, Water	Sump
Compressor Engines	Used Oil	80 gallons	None	Tank
Compressor Engines	Oil Filters	7	None	Container/Bin
Discharge Coalescer	Coalescer Filters	2 per year (3 changes)	None	Container/Bin
General Refuse	Solid Waste	1 yard	None	Container/Bin

B. Quality Characteristics

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

2. Produced water from the 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. Wash water (fresh water) is not introduced into the commingled waste stream. Instead, wash water is pumped directly from the sump and properly disposed of by the contractor performing the washing service.

VII. WASTE COLLECTION STORAGE AND DISPOSAL

A. Fluid Storage

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

B. Flow Schematics

Waste stream and process stream flow for major equipment at the compressor station is shown in Figure 3.

C. Surface and Subsurface Discharge Potential

1. Below ground pipes carry process fluids as well as waste fluids. Figure 3 illustrates those lines that are above and below ground. Also included in Figure 3 is the respective age and size of the underground lines. Mechanical integrity testing is performed as the lines are installed and on an as needed basis (during modifications or repairs).

2. The table in Section V provides a listing of all above ground tanks and the onsite below ground sump. Unintentional drips and leaks from the compressor engine, and compressor may drain into the underground sump. Fluids collected in the sump are periodically removed and properly disposed.

3. The size and construction material of the onsite collection equipment is described in the table in Section V.

D. NMOCD Design Criteria

1. All storage tanks are surrounded by an earthen berm. The capacity of the bermed area meets or exceeds 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.

2. The TEG regenerator is located on a concrete pad equipped with containment curbs to capture any leaks that may occur during the TEG regeneration process. The TEG storage tank (T-5) and open top tank (T-6) are located on the same concrete pad.

3. The below ground sump meets OCD specifications. The sump is constructed of fiberglass and 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.

4. An impermeable bermed containment will be installed if a major modification to the existing tank battery occurs and the potential for a release to the environment exists. BR will consider the replacement of a single tank within a multiple tank battery a minor modification. A major modification may include but is not limited to replacing the entire tank battery or increasing tank volume substantially

5. Drums storing product may be used or stored on location on occasion. To reduce the risk of spilled product from contacting the ground surface, BR stores these drums within the building that has secondary containment. To reduce the risk of leaked process fluids from contacting the ground surface BR has constructed curbed concrete or containment around process equipment with a higher probability of a spill/leak

E. Underground Pipelines

The mechanical integrity testing of the underground wastewater pipelines is performed prior to start-up and once every five years from the date of permit renewal approval. NMOCD will be notified 72 hours prior to testing.

F. Proposed Modifications

All storage, transfer, and containment systems meet the criteria described in "Guidelines for the Preparation of Ground Water Discharge Plans at Natural Gas Plants, Refineries, Compressors and Crude Oil Pump Stations" (NMOCD 12/95). No additional modifications are proposed at this time.

VIII. EFFLUENT AND SOLIDS DISPOSAL

A. On-Site Facilities

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

B. Off-Site Facilities

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

Waste Stream	Onsite Storage	Shipping Agent	Final Disposition	Receiving Facility
Produced Water	Tank	*See Note 1*	Class II Well	*See Note 2*
Coalescer, Used Oil, TEG and Fuel Gas Filters	Bin	*See Note 3*	Landfill	Waste Management C/R 3100 Aztec, NM Profile # 266305, 401866, 266263
Leaks (EG, Oil, Water)	Process Sump	Mesa Oil Inc. or *See Note 1*	Recoiling Facility, Class 1 Well	Mesa Oil Inc. or Key Disposal Injection Well
Used Oil	Tank	Mesa Oil Inc. 20 Lucero Rd. Belen, NM 87002	Recycled	Mesa Oil Inc. 20 Lucero Rd. Belen, NM 87002
TEG	Regenerator	Overland Dehy 5895 US Hwy. 64 Bloomfield, NM	Recycled	Overland Dehy 5895 US Hwy. 64 Bloomfield, NM
Solid Waste *(General Refuse)*	Bin	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

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. In addition, the sump is equipped with an inspection indicator light attached to the meter between the primary and secondary walls to allow for periodic visual inspection.

As described in Section VII. D. 1 of this plan, 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.

Rattlesnake is an unmanned facility that operates 24 hours per day, 365 days per year. Burlington personnel frequently visit the site to perform maintenance, inspect the equipment and ensure proper operation of the station.

B. Precipitation/Storm Water Runoff Control

Storm water run-off does not come in contact with process waste streams. Any precipitation that contacts the process equipment is contained within bermed or containment areas and allowed to evaporate. The facility pad is maintained and armored with gravel where applicable to prevent surface accumulations and erosion.

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 quantity of oil or a hazardous substance in storm water in the last three years. The Buena Vista 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

Prevention of accidental releases from these sources is a priority of Burlington. 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 Burlington personnel.

B. Spill/Leak Clean Up

General spill clean up 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, Burlington will notify the NMOCD in accordance with the provisions described in NMOCD Rule and Regulation #116 and WQCC Section 1203.

XI. SITE CHARACTERISTICS

A. Hydrologic Features

1. *Surface Water*: There are no known surface water bodies within one mile of Rattlesnake.

2. *Domestic Water Sources*: There are no known domestic water wells within 1/4 mile of the facility perimeter.

3. *Ground Water Discharge Sites*: Minix Spring is just over one mile to the north of the facility perimeter. (USGS 7.5 minute series topographical map, Archuleta Quadragle)

4. *Ground Water:* The San Jose Formation occurs at the surface in the area of the compressor station. Aquifer waters in the San Jose Formation have an average specific conductance of 2,000 micromhos which is approximately equal to 1,400 ppm TDS. (New Mexico Bureau of Mines, Hydrologic Report 6, 1983).

   Ground water under the facility is most likely influenced by a nearby dry wash. Rattlesnake is situated 40 to 60 feet in elevation above the dry wash.

B. Geologic Description

In the area of the compressor station the San Jose Formation is predominately sandstone exhibiting coarse-grained and pebbly characteristics. The formation in this area ranges from 150 to 800 ft in thickness. (New Mexico Bureau of Mines, Hydrologic Report 6, 1983)

C. Flood Protection

The compressor station is situated 40 to 60 feet above a dry stream channel in Rattlesnake Canyon. Special flood control 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 have been installed and are periodically inspected to insure proper operation. As a result, Burlington 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 Gantner Title: Environmental Health and Safety Manager

Signature: _____ Date: 9/6/01

Name: Gregg Kardos Title: Sr. Plant Supervisor

Signature: _____ Date: 8/30/01

FIGURE 2: AREA MAP OF THE RATTLESNAKE COMPRESSOR STATION

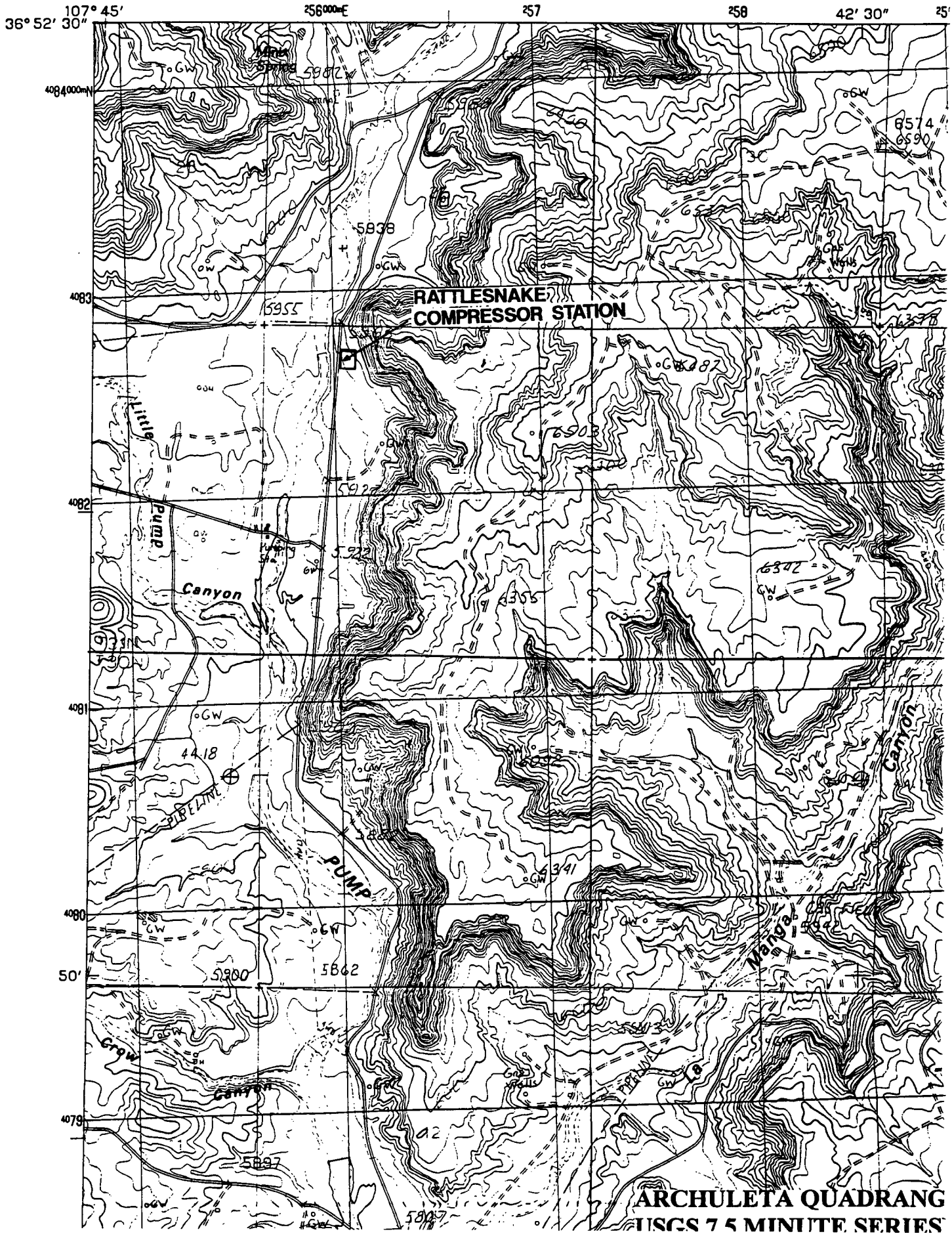


FIGURE 2: SITE DIAGRAM OF THE RATTLESNAKE COMPRESSOR STATION

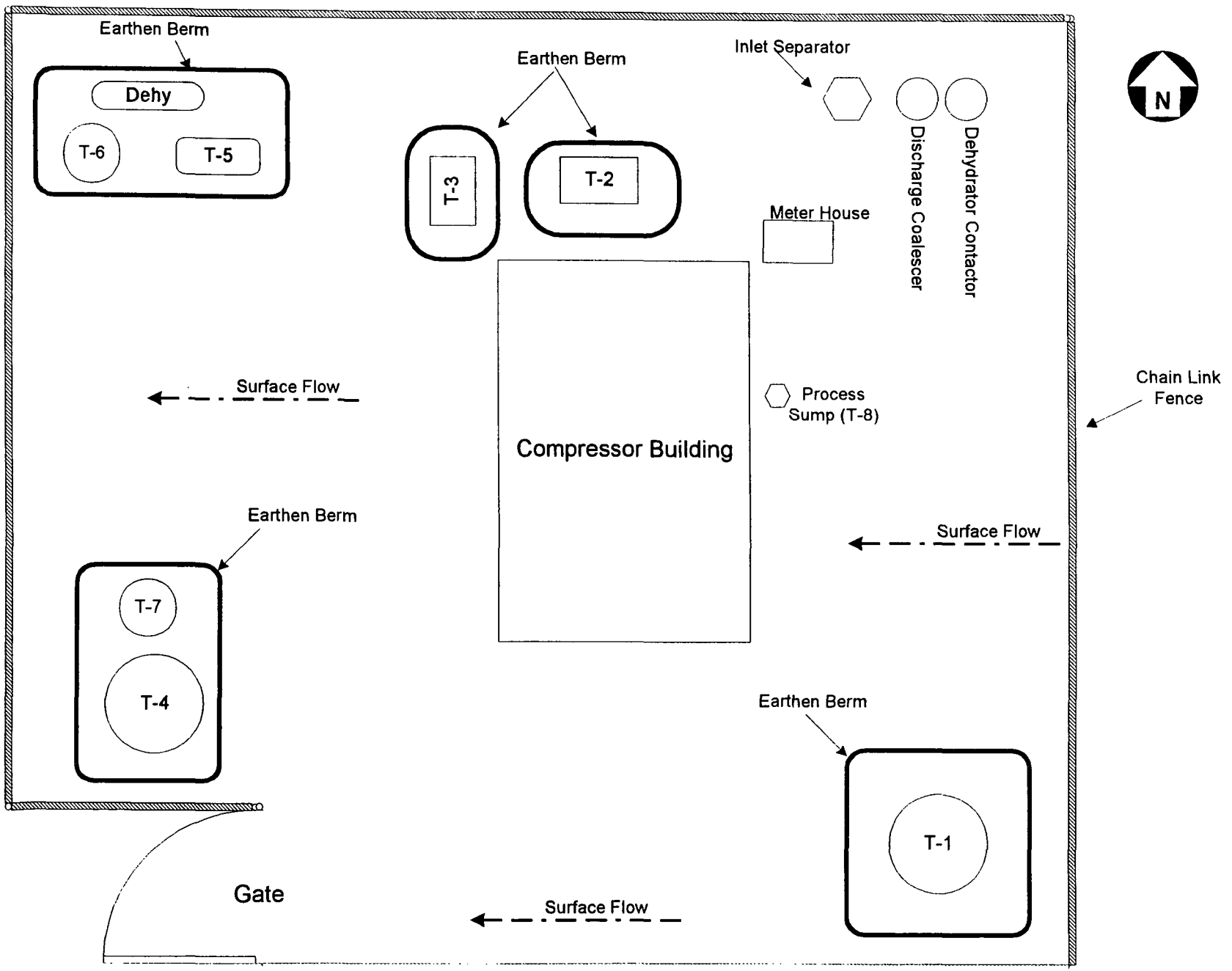
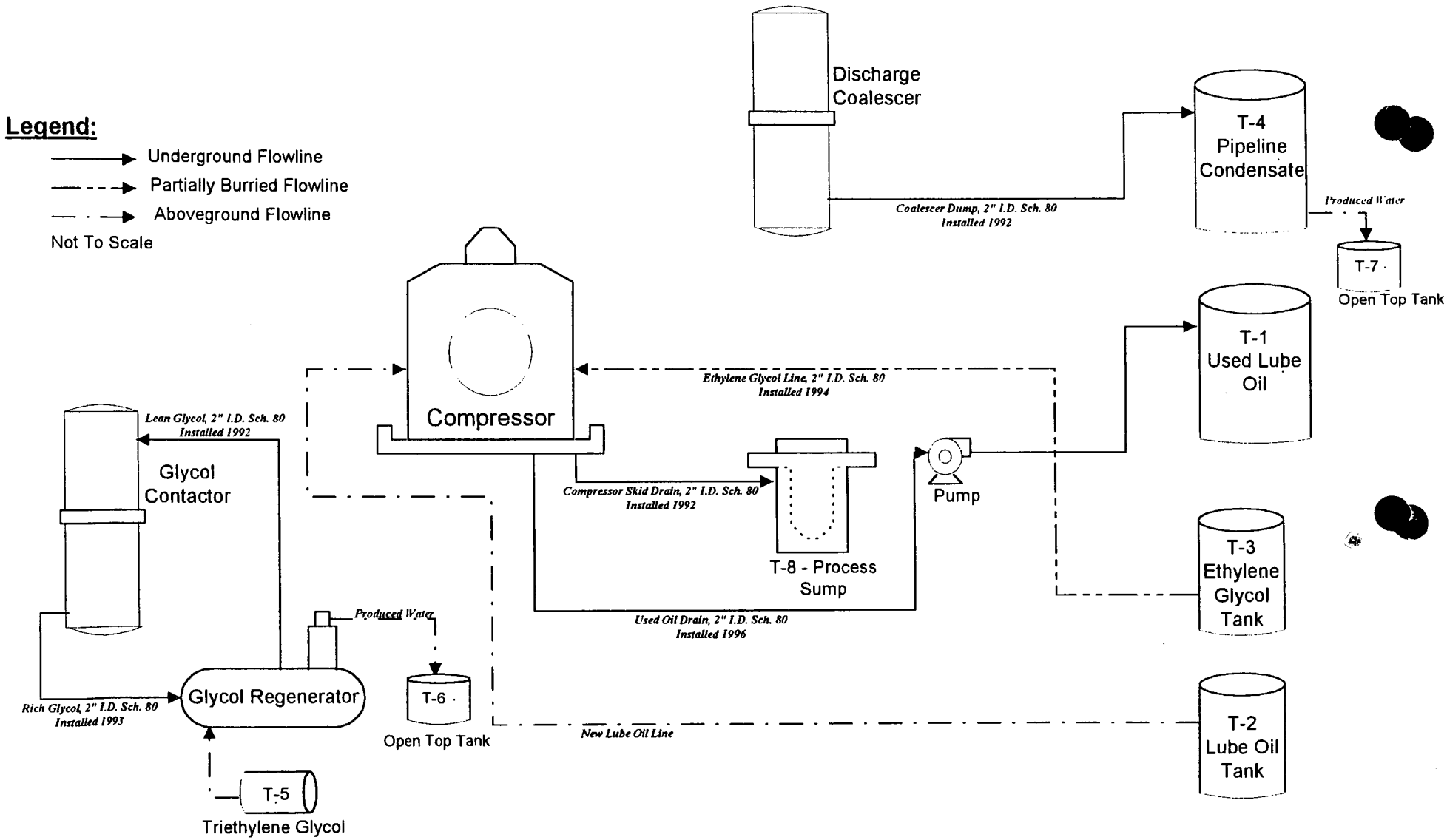


FIGURE 3: FLOWLINE SCHEMATIC
RATTLESNAKE COMPRESSOR STATION



BURLINGTON
RESOURCES

SAN JUAN DIVISION

March 7, 2001
CERTIFIED MAIL RETURN RECEIPT NO.70993220000289813946

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.***

3401 East 30th St., 87402, P.O. Box 4289, Farmington. New Mexico 87499-4289, Telephone 505-326-9700. Fax 505-326-9833

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

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

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

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

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: _____

jml

Inter-Mountain Laboratories, Inc.

Phone (505) 326-4737 Fax (505) 325-4182 2506 West Main Street, Farmington, NM 87401

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

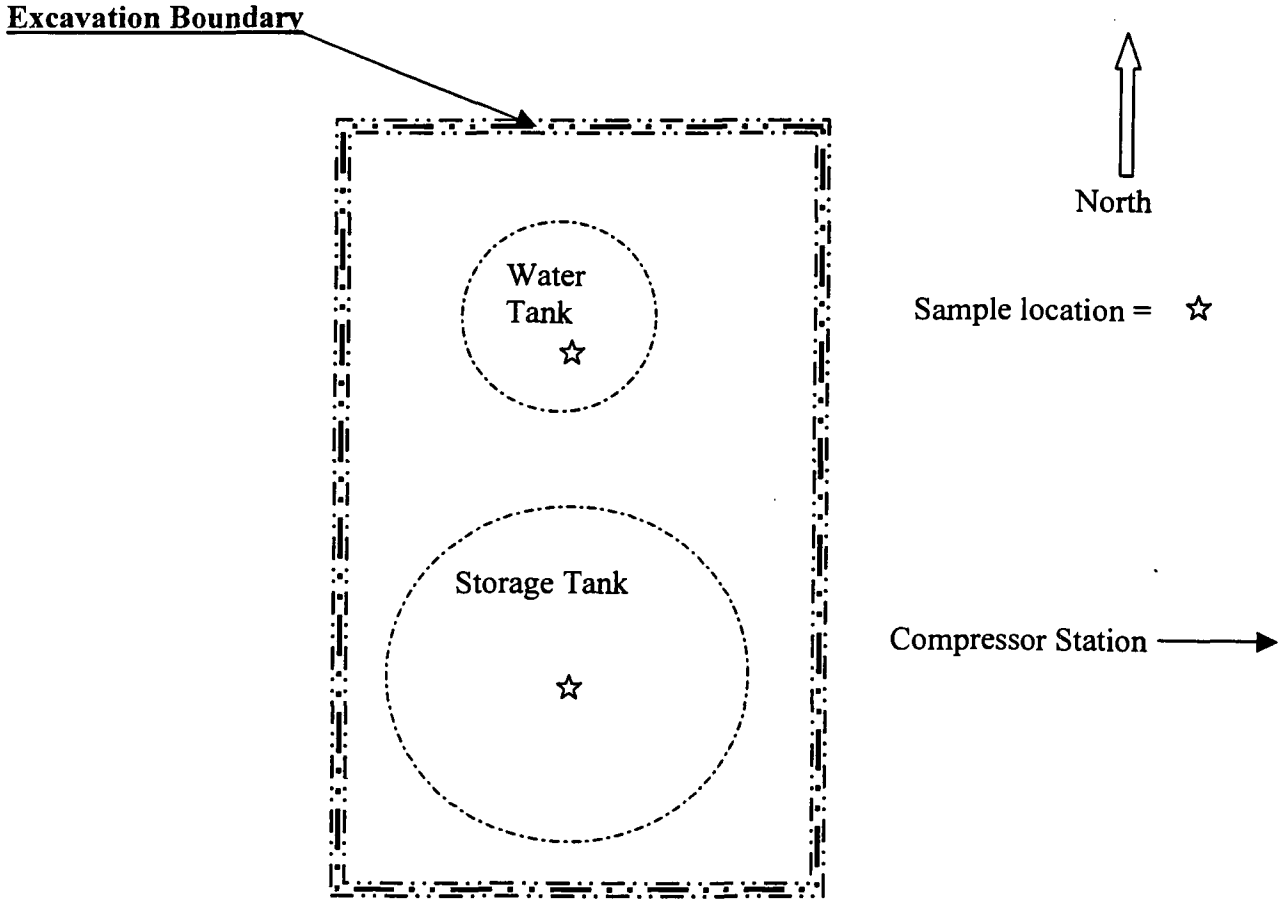
ATTACHMENT 2

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

Inter-Mountain Laboratories, Inc.
Phone (505) 326-4737 Fax (505) 325-4182
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

Inter·Mountain Laboratories, Inc.
Phone (505) 326-4737 Fax (505) 325-4182
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.

Reviewed By: _____
William Lipps

jml

Inter-Mountain Laboratories, Inc.

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

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
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.

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imi
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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	EE914	Soil	1	✓	✓			Method 8015 mod.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Gregg Wurtz	12/19/00	1500	Karin Arrington	12/20/00	0710
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

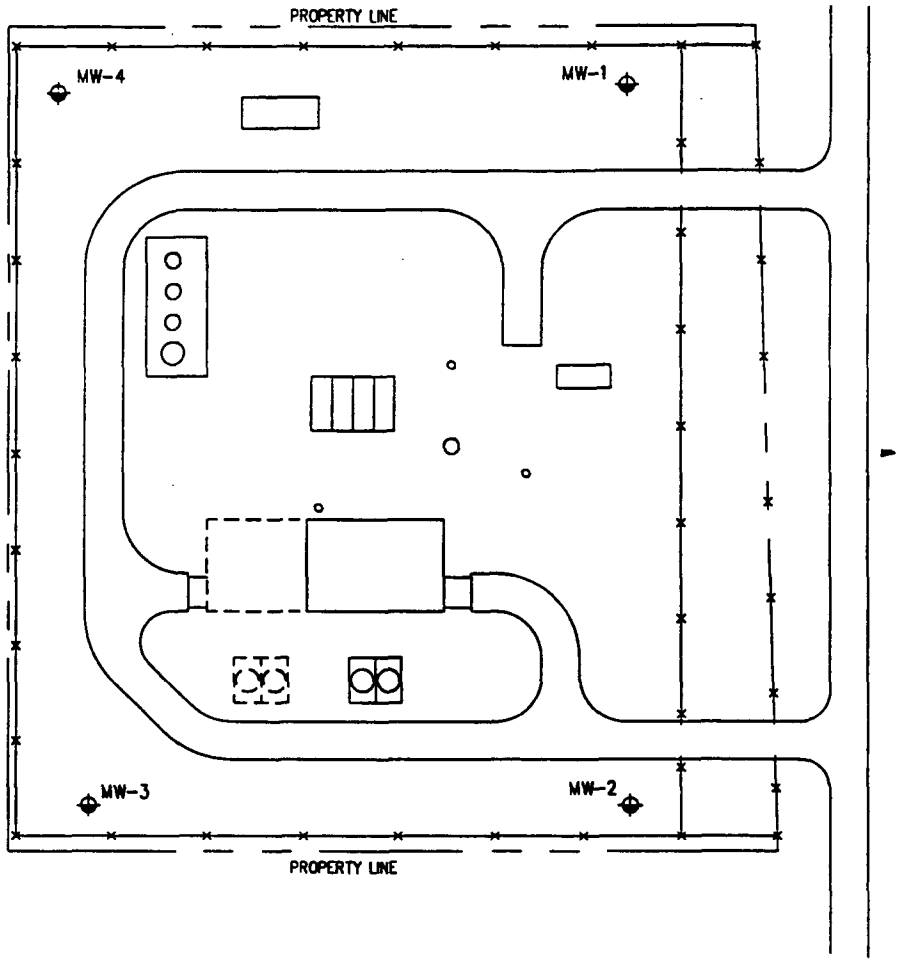
Prepared For

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

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

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: 2:13 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-093

FACILITY NAME: RATTLESNAKE COMP. ST

PHYSICAL LOCATION: _____

Legal: QTR___ QTR NW Sec 36 TS 31N R 9W 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.
DE-HYD SECONDARY CONTAINMENT HAS ≈ 1'-2" OF OIL + WATER SHOULD BE EMPTIED ROUTINELY.

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.

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.

MOTOR OIL + ANTI-FREEZE TANK DOES NOT HAVE PROPER CONTAINMENT.

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.

PIC # 2 - CONDENSATE TANK + FG SUMP WITH LD -

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.

OIL FOUND IN CONDENSATE (UST) WASTE WATER TANK LEAK DETECTOR - PIC # 3

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

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

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

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

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

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.?

SPCC - YES (LOCATED IN PUMP CANYON WASH)
OIL FOUND IN LEAK DETECTION SUMP - PIC #3

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

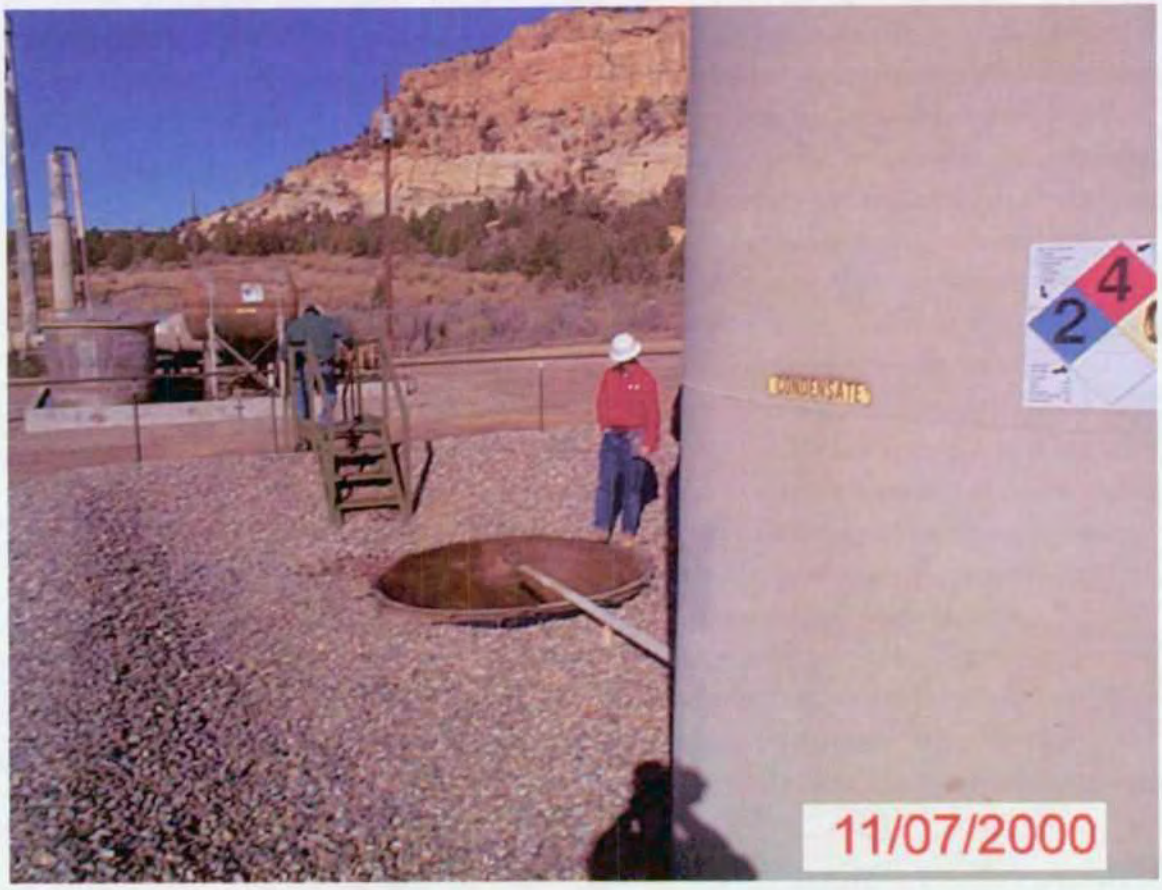
GW DEPTH ≈ 20-30'

Miscellaneous Comments:

Number of Photos taken at this site: PIC #1 - SIGN
attachments-

OCD Inspection November 07, 2000
Pictures by Wayne Price-OCD
Burlington Resources- Rattlesnake Comp. ST GW-093

Picture #1-Sign



Picture #2- Condensate Tank and Sump- Picture looking North.

Picture #3- Leak Detector has fluids with oil and water observed on dip-stick.
Burlington to investigate.

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:

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:

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

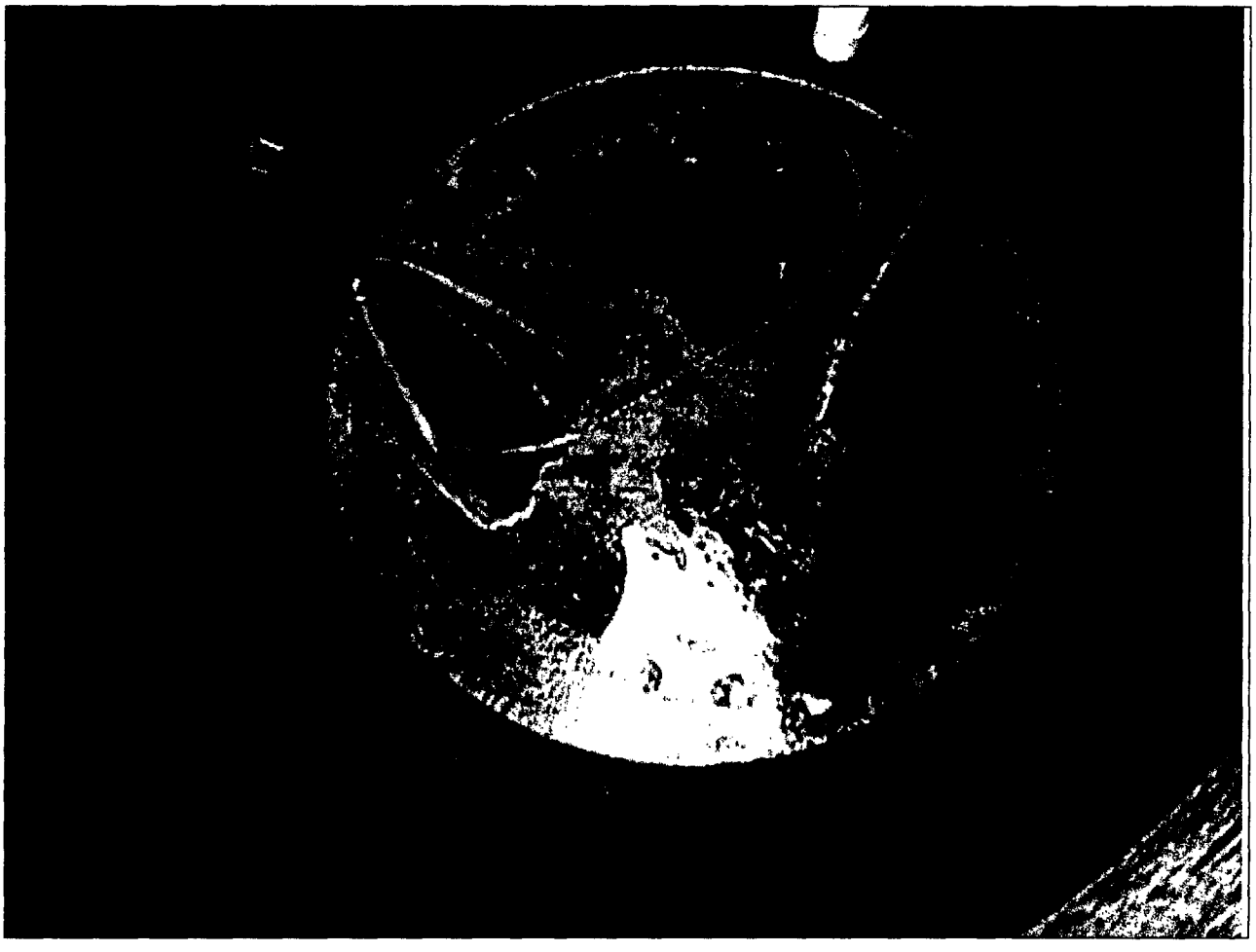
Discharge Plan Sump Inspections

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

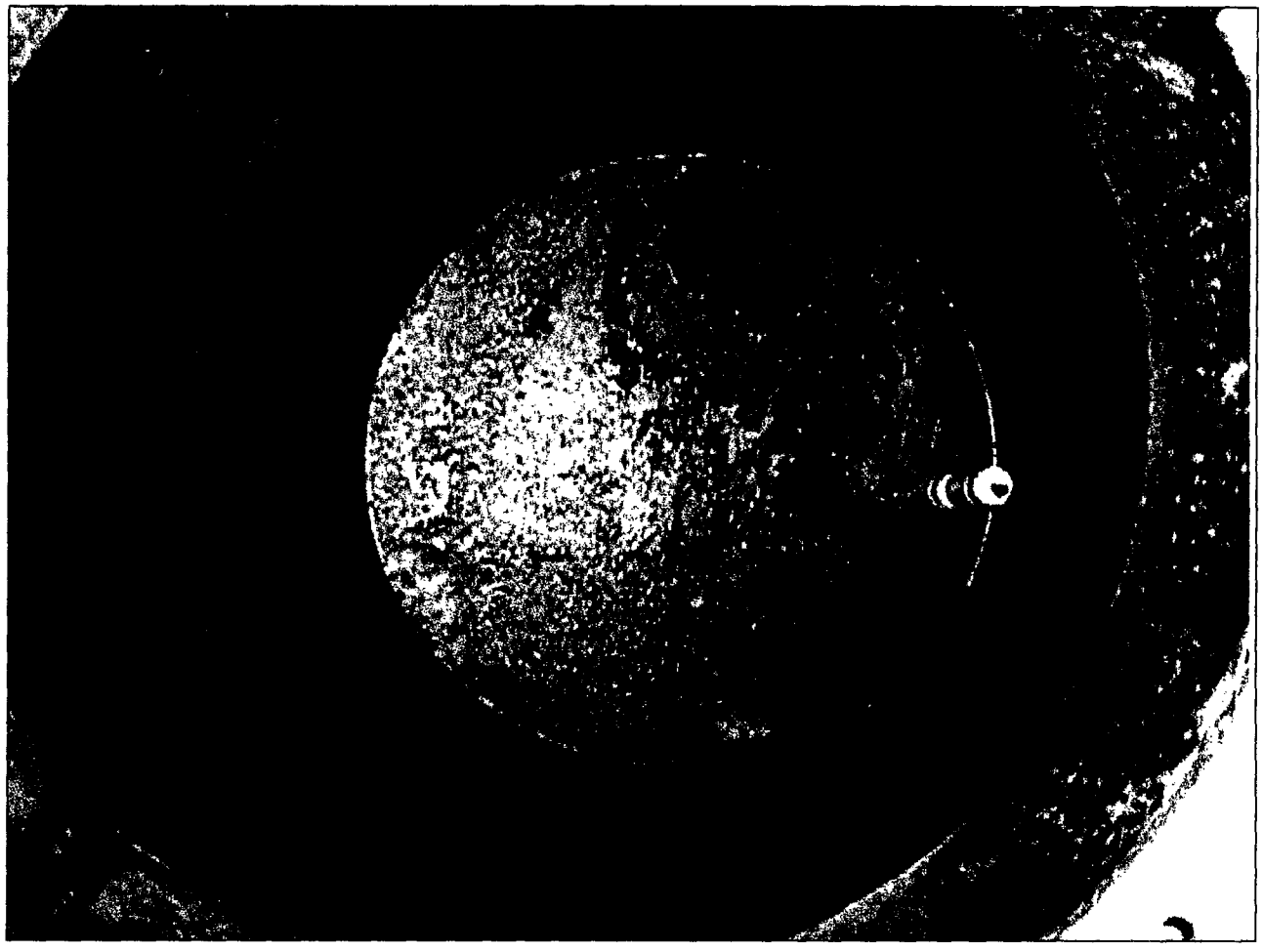
Discharge Plan Sump Inspections

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

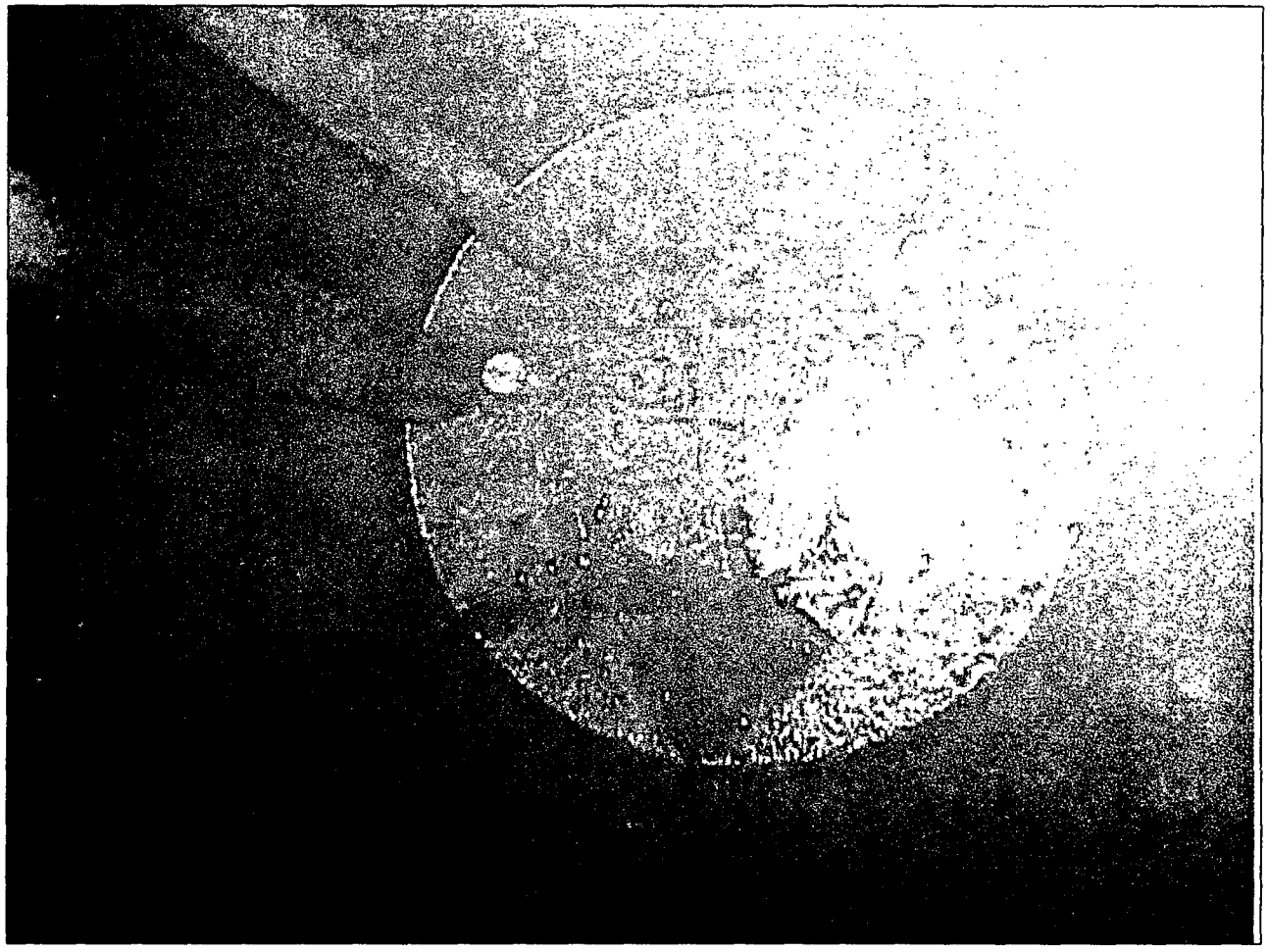
Discharge Plan Sump Inspections

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

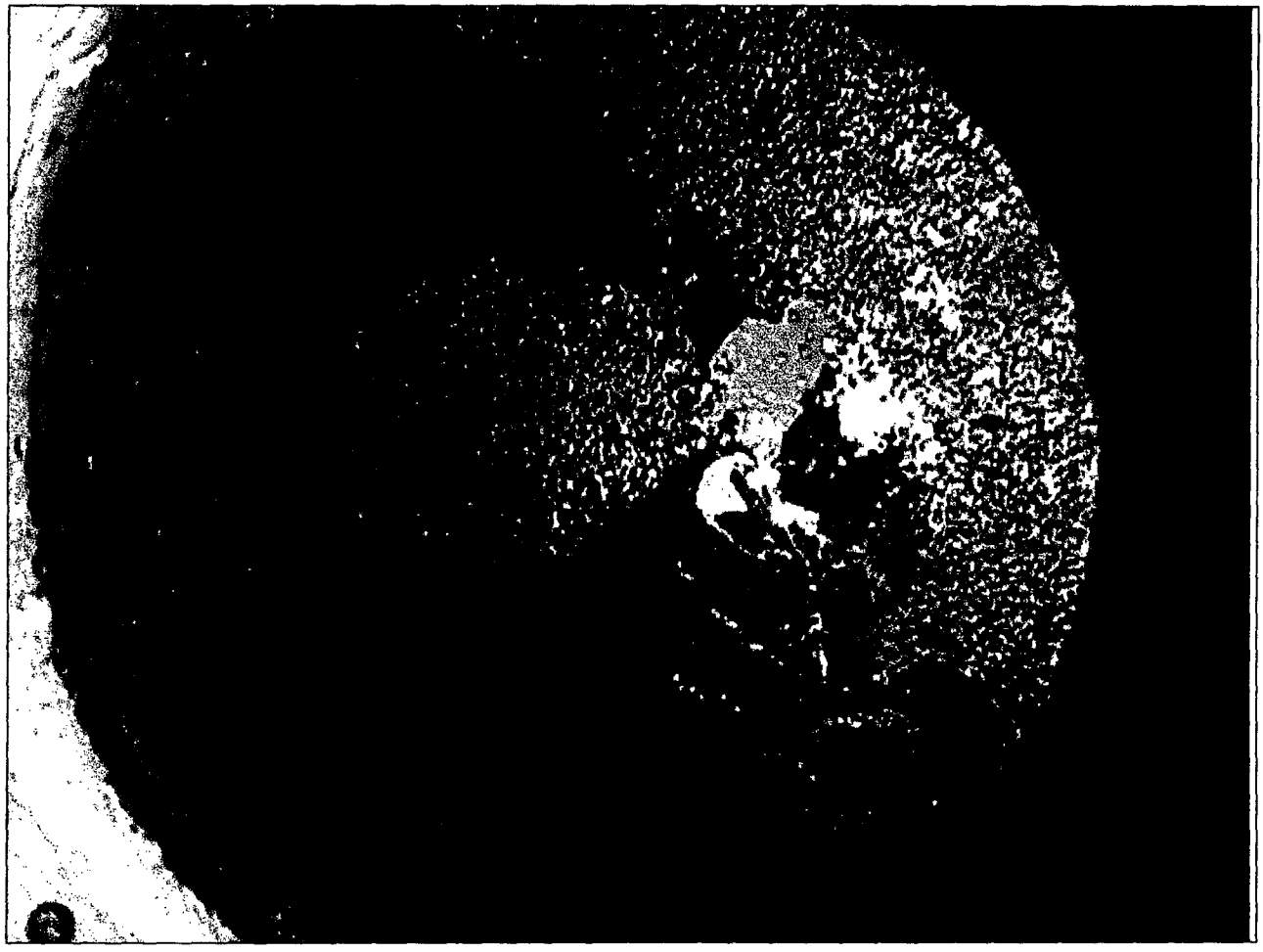
Discharge Plan Sump Inspections

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

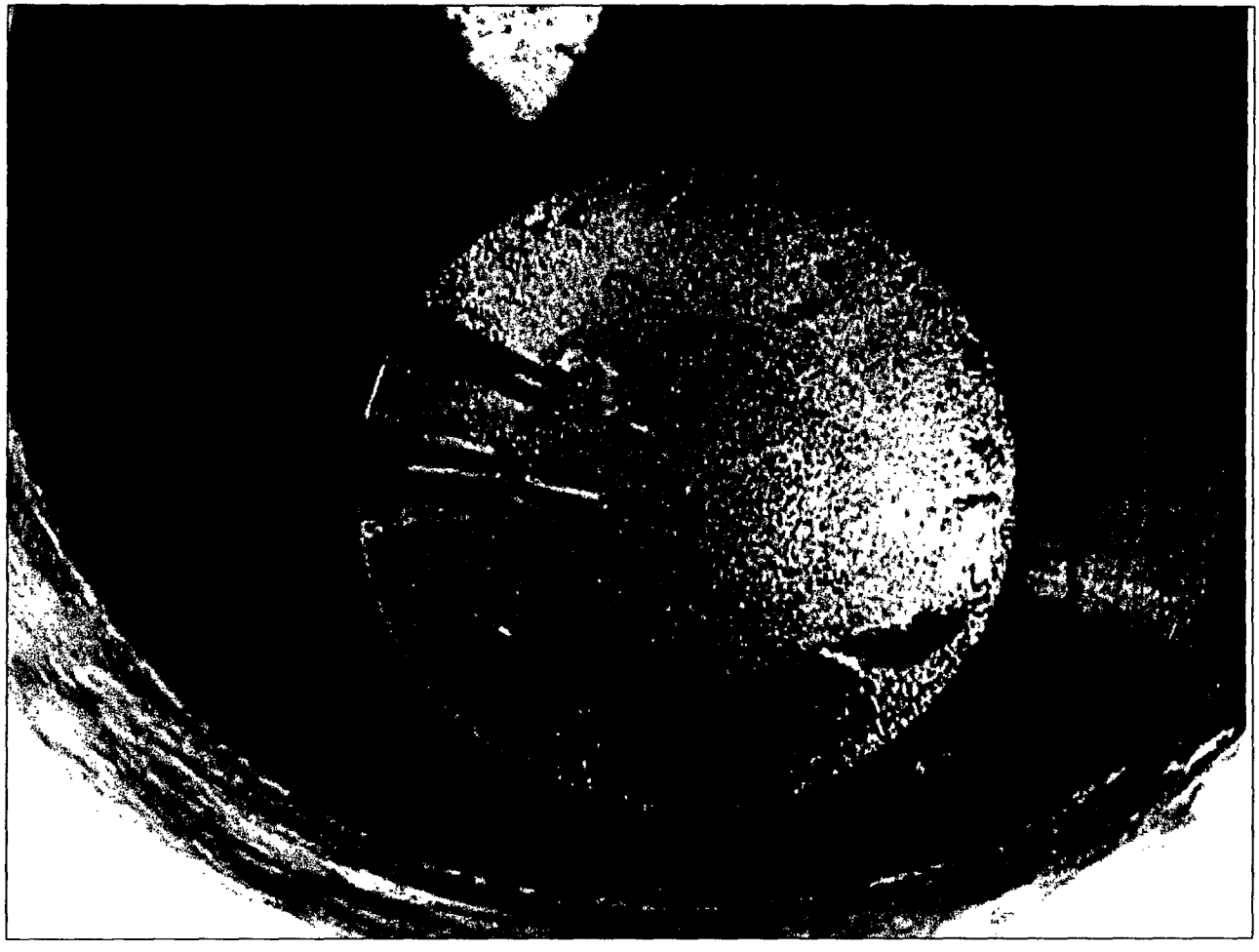
Discharge Plan Sump Inspections

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

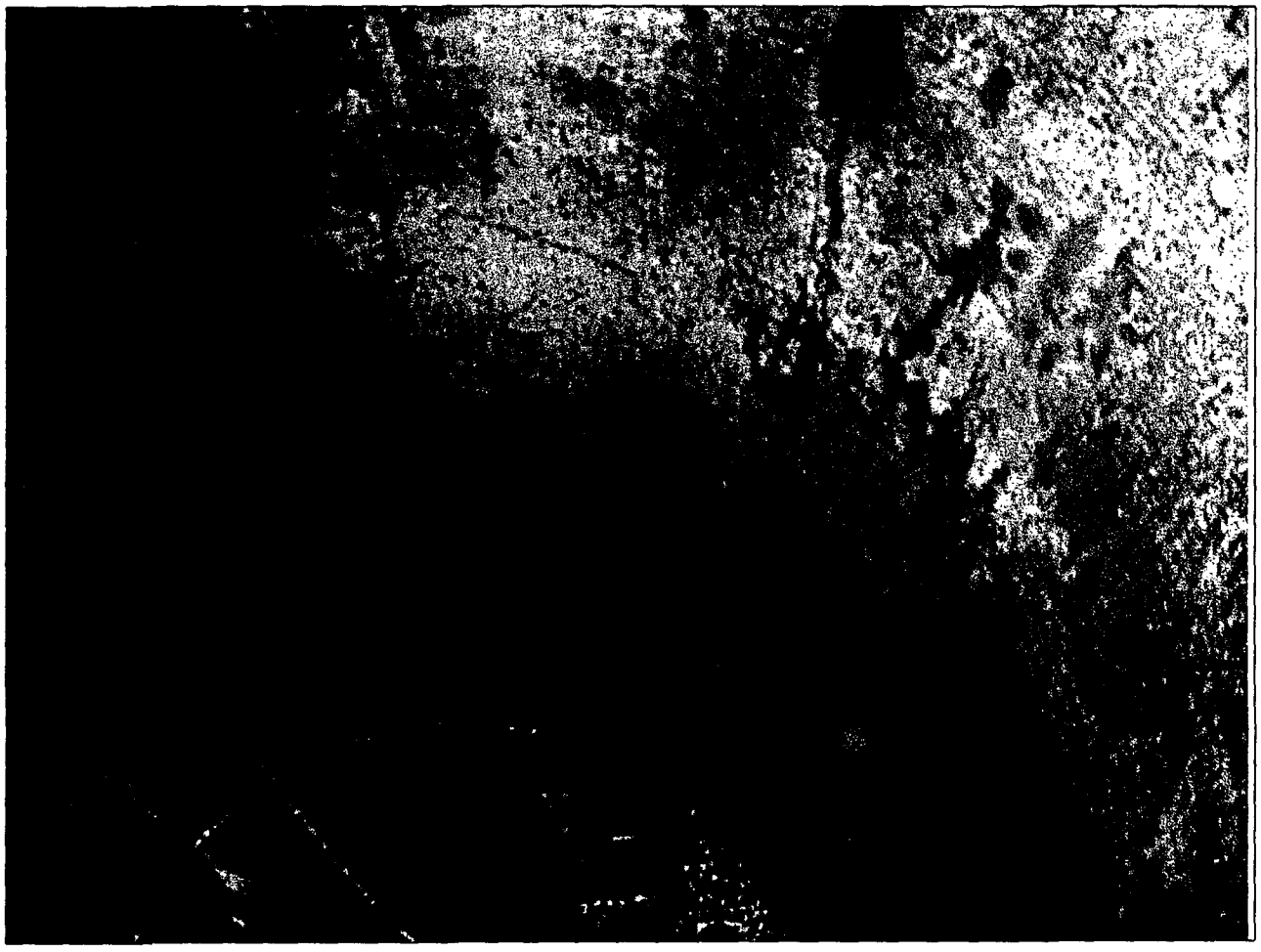
Discharge Plan Sump Inspections

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

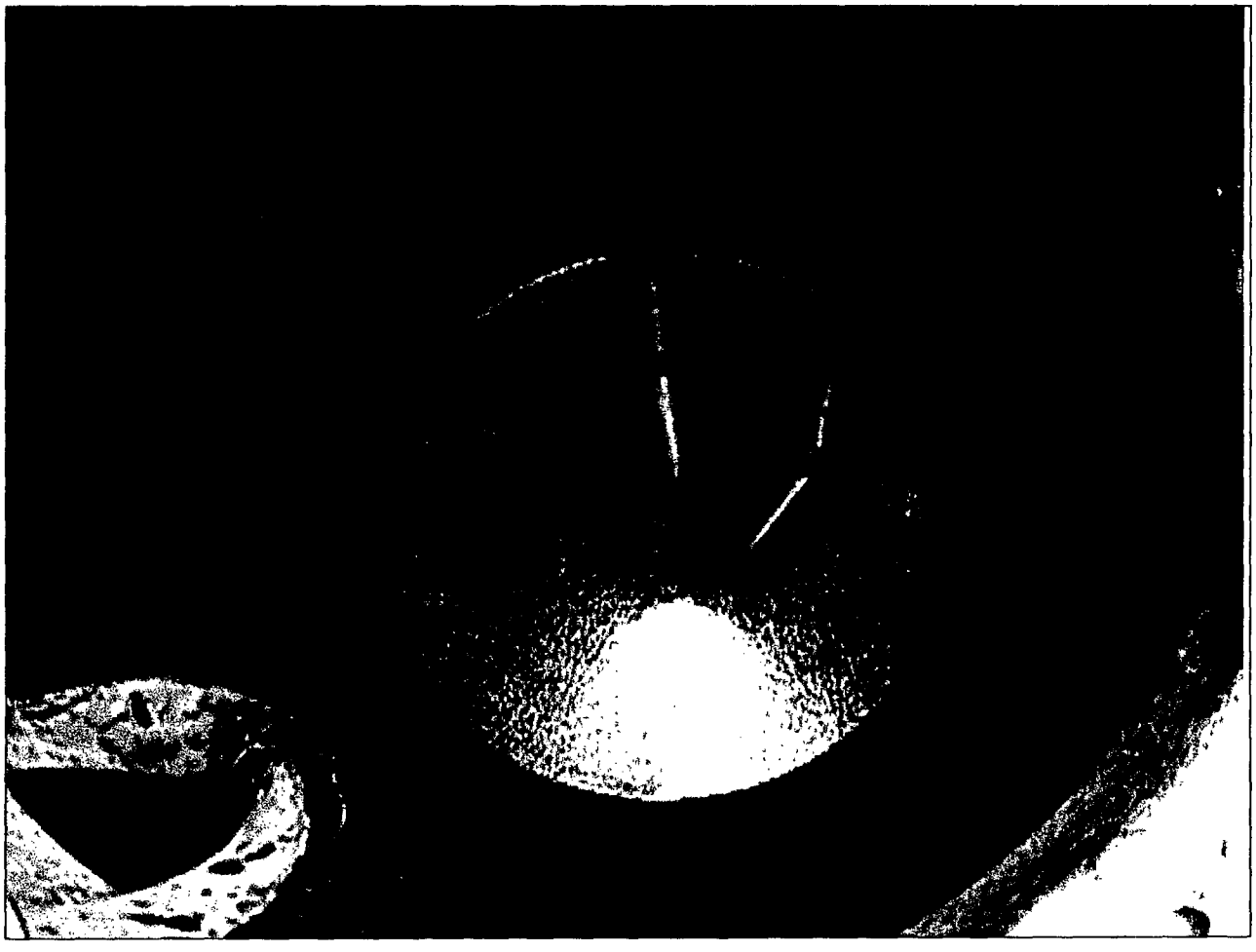
Discharge Plan Sump Inspections

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

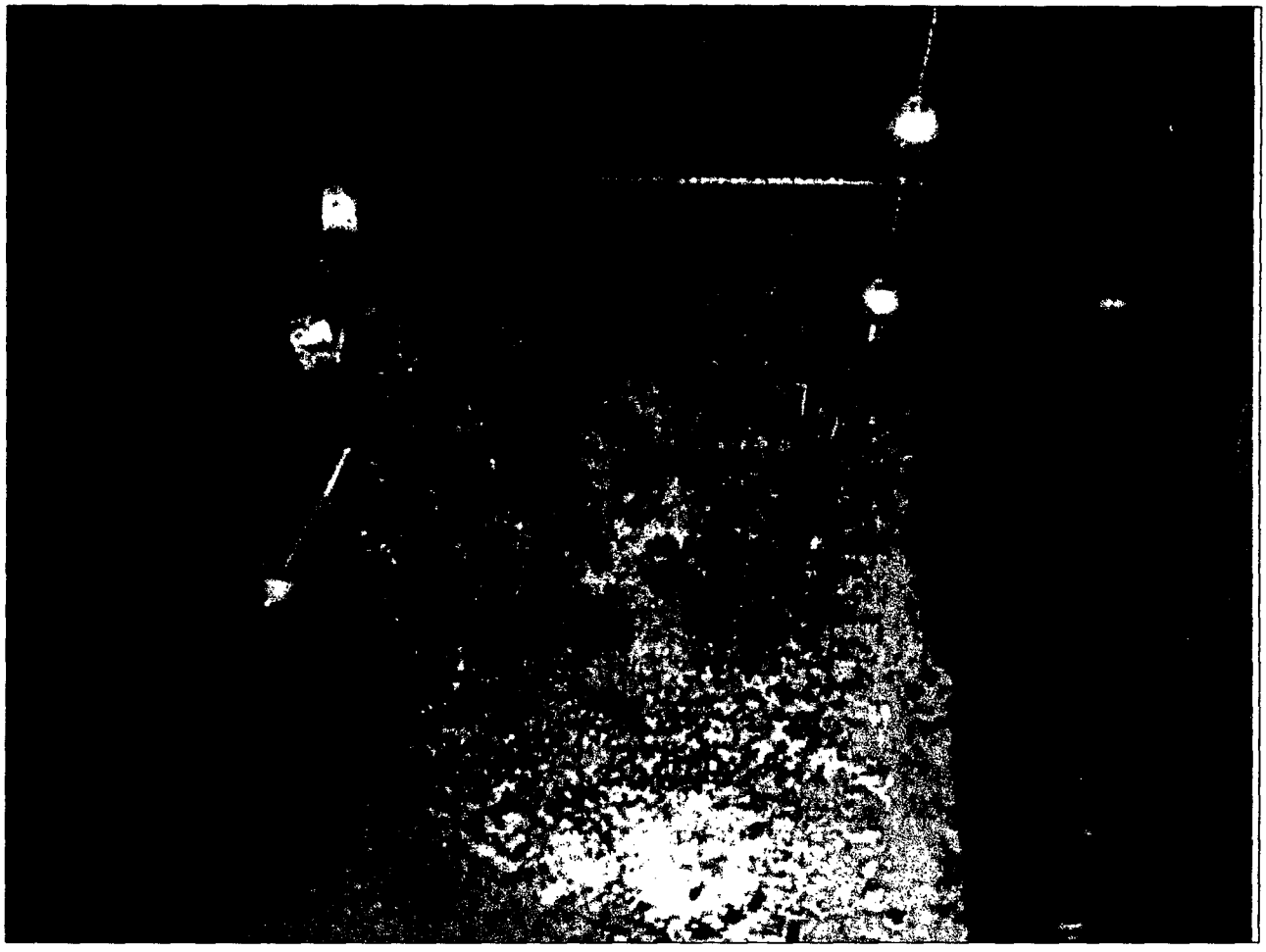
Discharge Plan Sump Inspections

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

RECEIVED
OCT 03 1997
Environmental Bureau
Oil Conservation Division

BURLINGTON RESOURCES

Memorandum

TO: Bruce Voiles
FROM: Mike Lee
DATE: 9/17/97
RE: Drain line Test at Rattlesnake and Middle Mesa Compressor Station's

Rattlesnake Compressor station

To comply with N.M.O.C.D. requirements the under ground oil drain lines at the Rattlesnake compressor station were tested August 6,1997 by Mike Lee and I.M.I. INC. The lines were tested using a hydrostatic head of water at 3 P.S.I. for 45 minutes no leaks were detected. Denny Foust with the N.M.O.C.D. a environmental geologist was present and verified the test.

A visual inspection of the station under ground sump tank interior coating was conducted and found to be in excellent condition.

Middle Mesa Compressor station

To comply with N.M.O.C.D. requirements the under ground oil drain lines at the Middle Mesa compressor station were tested August 28,1997 by Mike Lee and I.M.I. INC. The lines were tested using a hydrostatic head of water at 3 P.S.I. for 45 minutes no leaks were detected. Denny Foust with the N.M.O.C.D. a environmental geologist was present and verified the test.

A visual inspection of the station under ground sump tank interior coating was conducted and found to be in excellent condition.

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

P 288 258 894

January 22, 1997

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

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Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form 3800, April 1995

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-258-894

Mr. Keith Baker
Burlington Resources Oil and Gas Company
P.O. Box 4289
Farmington, NM 87499-4289

RE: Discharge Plan GW-093
Rattlesnake Compressor Station
San Juan County, New Mexico

Dear Mr. Baker:

In the New Mexico Oil Conservation Division approval letter date January 15, 1997 it was incorrectly stated that Burlington Resources Oil and Gas Company owed a flat fee renewal of $690 for Rattlesnake Compressor Station (GW-093). There are no flat fees for compressor stations with a combined horsepower of 1,000 or less. Since Rattlesnake Compressor Station is less 1,000 combined horsepower, no flat fee is required.

Should you need further assistance, please contact me at (505) 827-7155.

Sincerely,

Mark Ashley
Geologist

xc: OCD Aztec Office

AFFIDAVIT OF PUBLICATION

No. 37115

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):

Wednesday, November 13, 1996;

and the cost of publication is: $76.28.

Robert Lovett

On 11/13/96 ROBERT LOVETT appeared before me, whom I know personally to be the person who signed the above document.

Denise H. Henson

My Commission Expires May 17, 2000

OK MA
12.4.96

COPY OF PUBLICATION

Legals

NOTICE OF PUBLICATION

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

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

(GW-093) - Burlington Resources, Craig Bock, (505) 326-9537, P.O. Box 4289, Farmington, New Mexico 87499-4289, has submitted a discharge application for renewal of its previously approved discharge plan for the Rattlesnake Compressor Station located in the SW/4 SW/4 of Section 10, Township 31 North, Range 7 West, NMPM, San Juan County, New Mexico. Approximately 450 gallons per day of washdown water and produced water is stored in above ground steel tanks prior to transport to an OCD approved disposal facility. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 150 feet with a total dissolved solids concentration of approximately 1,400 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-088) - Amoco Production Facility, Buddy Shaw, (505) 326-9219, 200 Amoco Court, Farmington, New Mexico 87401, has submitted a discharge application for renewal of its previously approved discharge plan for the Gallegos Canyon Compressor Station located in the SW/4 NE/4 of Section 21, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 2,800 gallons per day of waste water is stored in above ground steel tanks prior to transport to an OCD approved offsite Class II disposal facility. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 200 feet with a total dissolved solids concentration of approximately 1,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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 renewal applications 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 renewals or 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 plans based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plans based on the information in the discharge plan renewal applications and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico on this 18th day of October, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

/s/William J. LeMay
WILLIAM J. LEMAY, Director

Legal No. 37115 published in The Daily Times, Farmington, New Mexico on Wednesday, November 13, 1996.

United States Department of the Interior

FISH AND WILDLIFE SERVICE
New Mexico Ecological Services Field Office
2105 Osuna NE
Albuquerque, New Mexico 87113
Phone: (505) 761-4525 Fax: (505) 761-4542

November 15, 1996

William J. Lemay, Director
Oil Conservation Division
2040 South Pacheco
Sante Fe, New Mexico 87505

Dear Mr. Lemay:

This responds to your agency's public notices dated October 18 and October 29, 1996, regarding the discharge plan applications and renewals for the five applicants described below:

(GW-093) - Burlington Resources. Mr. Craig Bock has submitted an application for renewal of the company's approved discharge plan for the Rattlesnake Compressor Station located in Section 10, Township 31 North, Range 7 West, San Juan County, New Mexico. Approximately 450 gallons per day of washdown water and produced water will be stored in above ground steel tanks prior to transport to an OCD approved disposal facility.

(GW-088) - Amoco Production Facility. Mr. Buddy Shaw has submitted an application for renewal of the company's approved discharge plan for the Gallegos Canyon Compressor Station located in Section 21, Township 29 North, Range 12 West, San Juan County, New Mexico. Approximately 2,800 gallons per day of wastewater water will be stored in above ground steel tanks prior to transport to an OCD approved disposal facility.

(GW-267) - El Paso Field Services. Ms. Sandra Miller has submitted a Discharge Plan Application for the company's Bass James Compressor Station located in Section 36, Township 22 South, Range 30 East, Eddy County, New Mexico. Potential discharges at the facility will be stored in a closed top receptacle.

(GW-090) - Transwestern Pipeline Company. Mr. Larry Campbell has submitted an application for renewal of the company's approved discharge plan for the Portales Compressor Station located in Section 16, Township 1 South, Range 34 East, Roosevelt County, New Mexico. Potential discharges at the facility will be stored in a closed top receptacle.

(GW-091) - Williams Field Services. Ms. Leigh Gooding has submitted an application for renewal of the company's approved discharge plan for the 32-9 CDP Compressor Station located in Section 15, Township 31 North, Range 10 West, San Juan County, New Mexico. Potential discharges at the facility will be stored in

a closed top receptacle.

The U.S. Fish and Wildlife Service (Service) has no objection to the Oil Conservation Division approving discharge plans GW-267, GW-090, and GW-091, which utilize closed top receptacles or tanks, as the closed tops prevent migratory bird and other wildlife direct access to potentially toxic chemicals.

We also recommend the use of berms or some other spill containment methodology around the storage receptacles and tanks for the operations above to help prevent migration of contaminated waters into the surface waters of New Mexico during any accidental rupture or spill.

On April 20, 1994, portions of the San Juan River in San Juan County, New Mexico, were designated as critical habitat for the federally-listed endangered Colorado squawfish and razorback sucker. The critical habitat for the Colorado squawfish is the reach of the San Juan River from the Highway 371 Bridge (in Farmington) to Neskahai Canyon on the San Juan Arm of Lake Powell in Utah. Critical habitat for the razorback sucker includes the reach of the San Juan River from the Hogback Diversion (west of Waterflow, New Mexico) to Neskahai Canyon.

Due to considerations for protection of critical habitat for the Colorado squawfish and the razorback sucker, as well as to individuals or populations of squawfish that may be located upstream from the critical habitat boundary, we urge you to ensure that discharge plans GW-093, GW-088, and GW-091 contain adequate provisions (such as spill containment berms) to ensure the protection of these endangered fish. In the event of a release of pollutants into the San Juan River, or of pollutants which eventually reach the San Juan River, the Service and/or the New Mexico Department of Game and Fish should be notified immediately.

We request that you provide applicants receiving discharge plan approvals for facilities near the San Juan River in San Juan County with the following emergency notification information:

U.S. Fish and Wildlife Service
New Mexico Ecological Services Field Office
2105 Osuna NE
Albuquerque, NM 87113
Telephone (505) 761-4525
Fax (505) 761-4542

New Mexico Department of Game & Fish
Villagra Building
P.O. Box 25112
Santa Fe, NM 87504
Telephone (505) 827-7882
Fax (505) 827-7801

For discharge plans GW-093 and GW-088, the Service recommends the use of excluding technology (e.g., nets, fences, enclosed tanks, etc.) to prevent migratory bird and other wildlife access to any open top receptacles or tanks for produced waters or wastewater which may contain toxic chemicals, or which may harbor a surface oil sheen. During flight, migratory birds may not distinguish between a storage tank and a natural waterbody: the open-top artificial waterbody may serve as an "attractive nuisance" if measures are not taken to exclude migratory birds from access. Alternatively, the applicants or the Oil

Conservation Division may elect to demonstrate that the retained waters are "bird-safe" (e.g., can meet New Mexico general water quality standards 1102.B, 1102.F, and 3101.K or 3101.L).

Our intent is to inform and intercede before any migratory bird deaths occur, since these birds constitute a legally protected resource. Under the Migratory Bird Treaty Act (MBTA), the courts have held that an operator of produced water or other wastewater storage facilities may be held liable for an "illegal take" of migratory birds. An "illegal take" has been interpreted to include accidental poisoning or accumulation of harmful concentrations of contaminants by migratory birds, which might occur as a result of access to the stored fluids. Hydrocarbon pollutants, for instance, can be carried to the nest on breast feathers, feet, or in nesting materials, where the eggs can subsequently become contaminated, leading to embryo death and reduced hatchability. If the construction or operation of open top storage structures results in migratory bird deaths and the problem is not addressed, the operator may be held liable under the enforcement provisions of the MBTA.

Although the comments we have provided in this letter are primarily designed to safeguard migratory birds and threatened and endangered species, incorporation of our recommendations in these discharge plans would also tend to be protective of other wildlife which may reside at or visit the disposal sites. We encourage your agency to solicit additional comments from the New Mexico Department of Game and Fish to assist in the protection wildlife.

Thank you for the opportunity to review and comment on these discharge plan applications. If you have any question about these comments, please call Dennis W. Byrnes at (505) 761-4525.

Sincerely,

Jennifer Fowler-Propst
Field Supervisor

cc:
Director, New Mexico Department of Game and Fish, Santa Fe, New Mexico
Geographic Manager, New Mexico Ecosystems, U.S. Fish and Wildlife Service, Albuquerque, New Mexico
Migratory Bird Office, U.S. Fish and Wildlife Service, Albuquerque, New Mexico

AFFIDAVIT OF PUBLICATION

No. 37057

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):

Wednesday, October 30, 1996;

and the cost of publication is: $76.28.

Robert Lovett

On 10/30/96 ROBERT LOVETT appeared before me, whom I know personally to be the person who signed the above document.

Denise H. Henson

My Commission Expires May 17, 2000

COPY OF PUBLICATION

Legals

NOTICE OF PUBLICATION

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

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

(GW-093) - Burlington Resources, Craig Bock, (505) 326-9537, P.O. Box 4289, Farmington, New Mexico 87499-4289, has submitted a discharge application for renewal of its previously approved discharge plan for the Rattlesnake Compressor Station located in the SW/4 SW/4 of Section 10, Township 31 North, Range 7 West, NMPM, San Juan County, New Mexico. Approximately 450 gallons per day of washdown water and produced water is stored in above ground steel tanks prior to transport to an OCD approved disposal facility. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 150 feet with a total dissolved solids concentration of approximately 1,400 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-008) - Amoco Production Facility, Buddy Shaw, (505) 326-9219, 200 Amoco Court, Farmington, New Mexico 87401, has submitted a discharge application for renewal of its previously approved discharge plan for the Gallegos Canyon Compressor Station located in the SW/4 NE/4 of Section 21, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 2,800 gallons per day of waste water is stored in above ground steel tanks prior to transport to an OCD approved offsite Class II disposal facility. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 200 feet with a total dissolved solids concentration of approximately 1,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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 renewal applications 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 renewals or 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 plans based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plans based on the information in the discharge plan renewal applications and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico on this 18th day of October, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

/s/William J. LeMay
WILLIAM J. LEMAY, Director

Legal No. 37057 published in The Daily Times, Farmington, New Mexico on Wednesday, October 30, 1996.

United States Department of the Interior

FISH AND WILDLIFE SERVICE
New Mexico Ecological Services Field Office
2105 Osuna NE
Albuquerque, New Mexico 87113
Phone: (505) 761-4525 Fax: (505) 761-4542

October 18, 1996

William J. Lemay, Director
Oil Conservation Division
2040 S. Pacheco
Sante Fe, New Mexico 87505

Dear Mr. Lemay:

This responds to your agency's public notice dated October 1, 1996, regarding the Energy, Minerals and Natural Resources Department Oil Conservation Division's proposal to approve the discharge plans for the three applicants listed below.

> **(BW-019) - Rowland Trucking Company.** Mr. Pete Turner has submitted an application for renewal of the company's approved discharge plan for the Carlsbad Brine Station located in Section 36, Township 22 South, Range 26 East, Eddy County, New Mexico.
>
> **(BW-022) - Quality Brine, Inc.** Mr. Danny Watson has submitted an application for renewal of the company's approved discharge plan for the Tatum Brine Station located in Section 20, Township 12 South, Range 36 East, Lea County, New Mexico.

The U.S. Fish and Wildlife Service (Service) typically recommends the use of excluding technology (nets, fences, enclosed tanks, etc.) to prevent migratory bird and other wildlife access to any brine or produced water storage ponds, evaporative ponds, open tanks, or lagoons that contain toxic chemicals, or which may harbor a surface oil sheen. During flight, migratory birds may not distinguish between an evaporation or storage pond and a natural waterbody: the artificial waterbody may serve as an "attractive nuisance" if measures are not taken to exclude migratory birds from access.

Our intent is to inform and intercede before any migratory bird deaths occur, since these birds constitute a legally protected resource. Under the Migratory Bird Act Treaty (MBTA), the courts have held that an operator of brine, waste water, or other produced water storage facilities may be held liable for an "illegal take" of migratory birds. An "illegal take" has been interpreted to include accidental poisoning or accumulation of harmful concentrations of contaminants by migratory birds, which might occur as a result of access to the stored water. Hydrocarbon pollutants, for instance, can be carried to the nest on breast feathers, feet, or in nesting materials, where the eggs can subsequently become contaminated, leading to embryo death and reduced hatchability.

We therefore recommend to the Oil Conservation Division (Division) that storage and evaporative ponds, tanks, and lagoons be constructed in a manner that prevents bird access (e.g., netted), or that the applicants demonstrate that the retained waters are "bird-safe" (e.g., can meet New Mexico general water quality standards 1102.B, 1102.F, and 3101.K or 3101.L). If the construction and operation of such structures results in migratory bird deaths and the problem is not addressed, the operators may be held liable under the enforcement provisions of the MBTA. The Service would rather prevent a problem resulting from migratory bird access to contaminated ponds, lagoons, and tanks than take enforcement actions, which are expensive and disruptive to legitimate mineral extraction and production activities.

> **(GW-093) - Burlington Resources.** Mr. Craig Bock has submitted an application for renewal of the company's approved discharge plan for the Rattlesnake Compressor Station located in Section 36, Township 31 North, Range 9 West, San Juan County, New Mexico. Approximately 31 gallons of waste water is produced daily and is stored in above ground open top steel tanks prior to transport to an approved disposal facility.

To assure that the open top tanks remain "bird-free," the Service again recommends the use of an appropriate exclusion methodology on the tanks (nets, fences, enclosed tanks, closed-forced evaporation systems, etc.) to prevent migratory bird and other wildlife access to any waste water that contains toxic chemicals, or which may have a surface oil sheen. Alternately, the applicant or the Division may demonstrate that the waste water is "bird safe," as described above. We also recommend the use of berms around the tanks to help prevent migration of contaminated waters into a surface water of New Mexico during an accidental tank rupture or spill.

Thank you for the opportunity to review and comment on these discharge plan applications. If you have any questions about these comments, please contact Dennis W. Byrnes at (505) 761-4525.

Sincerely,

Jennifer Fowler-Propst
Field Supervisor

cc:
Director, New Mexico Department of Game and Fish, Santa Fe, New Mexico
Geographic Manager, New Mexico Ecosystems, U.S. Fish and Wildlife Service, Albuquerque, New Mexico
Senior Resident Agent, U.S. Fish and Wildlife Service, Albuquerque, New Mexico
Migratory Bird Office, U.S. Fish and Wildlife Service, Albuquerque, New Mexico

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No [redacted] dated 8/29/96,

or cash received on _____ in the amount of $ 1430.00

from Meridian

for Quinn C.S. 50.00 GW-093
Battle C.S. 1380.00 GW-234
(Facility Name) (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: R Chavez Date: 10/14/96

Received in ASD by: K Kautz Date: 10/23/96

Filing Fee ___ New Facility ___ Renewal ___

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 97

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.

DATE	AMOUNT
08/29/96	*******$1,430.00

VOID IF NOT PRESENTED FOR PAYMENT WITHIN 60 DAYS

VENDOR NO.
101131

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

[redacted]

MERIDIAN OIL
801 CHERRY ST. - SUITE 200 * FORT WO[illegible], TX 76102-6842

For Questions Please Call
(505) 326-9519

CONTROL NO.	REFERENCE INVOICE	REFERENCE DATE	PAID ON BEHALF OF	DUE VENDOR
420683034	RFC	960826	EPX MOI DISCHARGE PLAN FEE'S QUINN GW-239 1380. COMPRESSOR AND RATTLESNAKE GW-93 50. COMPRESSOR	1,430.00

VENDOR NO. 101131 CHECK NO. [redacted]

TOTAL 1,430.00

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 renewal applications have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(BW-019) - Rowland Trucking Company, Pete Turner, (505) 397-4994, 418 South Grimes, Hobbs, New Mexico, 88240 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.

(BW-022) - Quality Brine, Inc., Danny Watson, (505) 398-3490, P.O. Box 682, Tatum, New Mexico, 88267 has submitted an application for renewal of its previously approved discharge plan for the Tatum Brine Station located in the SW/4 SW/4 of Section 20, Township 12 South, Range 36 East NMPM, Lea County, New Mexico. Fresh water is injected to an approximate depth of 2,300 feet and brine water is extracted with an average total dissolved solids concentration of 350,000 mg/l. Ground water most likely to be affected by an accidental discharge is at a depth of approximately 30 feet with a total dissolved solids concentration of approximately 700 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-093) - Burlington Resources, Craig Bock, (505) 326-9537, P.O. Box 4289, Farmington, New Mexico 87499-4289, has submitted a discharge application for renewal of its previously approved discharge plan for the Rattlesnake Compressor Station located in the NW/4 NW/4 of Sections 36, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico. Approximately 31 gallons per day of waste water is stored in above ground open top steel tanks prior to transport to an OCD approved disposal facility. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 25 feet with a total dissolved solids concentration of approximately 1,400 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 renewal applications 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 renewals or modifications, 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 plans based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plans based on the information in the discharge plan renewal applications and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 1st day of October 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

WILLIAM J. LEMAY, Director

BURLINGTON RESOURCES

SAN JUAN DIVISION

September 30, 1996

Federal Express 332 2707 017

William J. LeMay
Director
New Mexico Oil Conservation Division
Energy, Minerals, and Natural Resources Dept.
2040 S. Pacheco
Santa Fe, New Mexico 87505

Re: Groundwater Discharge Plan Renewal (GW-93)
Rattlesnake Compressor Station

Dear Mr. LeMay:

Burlington Resources is providing your department with two copies of the proposed Groundwater 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 two Plan copies, a signed Discharge Plan Application form. The filing fee check was not received internally to be submitted with this plan, consequently a check for fifty dollars will follow this submittal.

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

Enclosed: Discharge Plan (2 Copies)
Discharge Plan Application Form

cc: Keith Baker - BR w/o attachments
Denny Foust - Aztec Office (one plan copy)

File - Rattlesnake Compressor Station: Discharge Plan - Permit/Application

s:\2-envnmt\grndwtr\facility\ratlesnk\corresp\plnsubmtl.doc

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Revised 12/1/9

Submit Origin
Plus 1 Copi
to Santa F
1 Copy to appropria
District Offic

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

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

☐ New ☒ Renewal ☐ Modification

RECEIVED
OCT 1 1996
Environmental Bureau
Oil Conservation Division

1. Type: Natural Gas Compressor Station
2. Operator: Burlington Resources Oil and Gas Co.
   Address: P.O. Box 4289, Farmington, NM 87499-4289
   Contact Person: Craig A. Bock Phone: (505) 326-9537
3. Location: NW /4 NW /4 Section 36 Township 31N Range 9W
   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. CERTIFICATION

I herby 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: 9/30/96

RATTLESNAKE COMPRESSOR STATION
GROUND WATER DISCHARGE PLAN

September 27, 1996

Prepared for:

Burlington Resources
Farmington, New Mexico

TABLE OF CONTENTS

RATTLESNAKE COMPRESSOR STATION
GROUND WATER DISCHARGE PLAN

I. TYPE OF OPERATION

The Rattlesnake Compressor Station (Rattlesnake) is a natural gas compressor station which receives 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: Burlington Resources	**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 9W**	**Quarter/Quarter: D** **Section: 36**	**County: San Juan**

IV. LANDOWNERS

Name: State of New Mexico	**Address: P.O. Box 1148**
City: Santa Fe	**State: New Mexico**
Zip: 87504-1148	**Phone: (505) 827-7153**

Figure 1 is an area map showing the physical location of the compressor station.

V. FACILITY DESCRIPTION

Rattlesnake is constructed on a pad of approximately 1.2 acres in size. It consists of one natural gas compression engine (750 hp), one dehydration unit, and the following tanks and sump:

Container Type	Capacity	Product	Construction Material	Location
Tank (T-1)	100 Barrel	Used Lube Oil	Steel	Above Ground
Tank (T-2)	12 Barrel	New Lube Oil	Steel	Above Ground
Tank (T-3)	12 Barrel	Ethylene Glycol (EG)	Steel	Above Ground
Tank (T-4)	100 Barrel	Pipeline Condensate	Steel	Above Ground
Tank (T-5)	23 Barrel	Triethylene Glycol (TEG)	Fiberglass	Above Ground
Open Top Tank (T-6)	40 Barrel	Produced Water	Fiberglass	Above Ground
Open Top Tank (T-7)	40 Barrel	Produced Water	Fiberglass	Above Ground
Process Sump (T-8)	650 Gallon	Water, TEG, EG, Oil	Fiberglass	Below Ground

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

VI. MATERIALS STORED OR USED AT THE FACILITY

A. Waste Stream Data

Source of Waste	Type of Waste	Volume/Month	Type/Volume of Additives	Collection System/Storage
Dehydration Unit	Produced Water	20 barrels	None	Open Top Tank
Dehydration Unit	TEG	Intermittent	None	Open Top Tank
Dehydration Unit	Used TEG Filters	1	None	Container/Bin
Discharge Coalescer	Produced Water	1 - 2 barrels	None	Open Top Tank
Compressor Engines	Leaks/Precipitation	Intermittent	EG, Oil, Water	Sump
Compressor Engines	Used Oil	80 gallons	None	Tank
Compressor Engines	Oil Filters	7	None	Container/Bin
Discharge Coalescer	Coalescer Filters	2 per year (3 changes)	None	Container/Bin
General Refuse	Solid Waste	1 yard	None	Container/Bin

B. Quality Characteristics

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

2. Produced water from the 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. Wash water (fresh water) is not introduced into the commingled waste stream. Instead, wash water is pumped directly from the sump and properly disposed of by the contractor performing the washing service.

VII. WASTE COLLECTION STORAGE AND DISPOSAL

A. Fluid Storage

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

B. Flow Schematics

Waste stream and process stream flow for major equipment at the compressor station is shown in Figure 3.

C. Surface and Subsurface Discharge Potential

1. Below ground pipes carry process fluids as well as waste fluids. Figure 3 illustrates those lines that are above and below ground. Also included in Figure 3 is the respective age and size of the underground lines. Mechanical integrity testing is performed as the lines are installed and on an as needed basis (during modifications or repairs).

2. The table in section V provides a listing of all above ground tanks and the onsite below ground sump. Unintentional drips and leaks from the compressor engine, and compressor may drain into the underground sump. Fluids collected in the sump are periodically removed and properly disposed.

3. The size and construction material of the onsite collection equipment is described in the table in section V.

D. NMOCD Design Criteria

1. All storage tanks are surrounded by an earthen berm. The capacity of the bermed area meets or exceeds 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.

   The TEG regenerator is located on a concrete pad equipped with containment curbs to capture any leaks that may occur during the TEG regeneration process. The TEG storage tank (T-5) and open top tank (T-6) are located on the same concrete pad.

2. The below ground sump meets OCD specifications. The sump is constructed of fiberglass and 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. Proposed Modifications

All storage, transfer, and containment systems meet the criteria described in "Guidelines for the Preparation of Ground Water Discharge Plans at Natural Gas Plants, Refineries, Compressors and Crude Oil Pump Stations" (NMOCD 12/95). No additional modifications are proposed at this time.

VIII. EFFLUENT AND SOLIDS DISPOSAL

A. On-Site Facilities

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

B. Off-Site Facilities

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

Waste Stream	Onsite Storage	Shipping Agent	Final Disposition	Receiving Facility
Produced Water	Tank	*See Note 1*	Class II Well	*See Note 2*
Coalescer, Used Oil, TEG and Fuel Gas Filters	Bin	*See Note 3*	Landfill	Waste Management C/R 3100 Aztec, NM Profile # 266305, 401866, 266263
Leaks/Precipitation (EG, Oil, Water)	Process Sump	Mesa Oil Inc. or *See Note 1*	Recoiling Facility, Class 1 Well	Mesa Oil Inc. or Sunco Injection Well
Used Oil	Tank	Mesa Oil Inc. 20 Lucero Rd. Belen, NM 87002	Recycled	Mesa Oil Inc. 20 Lucero Rd. Belen, NM 87002
TEG	Regenerator	Overland Dehy 5895 US Hwy. 64 Bloomfield, NM	Recycled	Overland Dehy 5895 US Hwy. 64 Bloomfield, NM
Solid Waste *(General Refuse)*	Bin	Waste Management C/R 3100 Aztec, NM	Landfill	Waste Management C/R 3100 Aztec, NM

Notes on following page.

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, the sump is equipped with 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, 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.

Rattlesnake is an unmanned facility that operates 24 hours per day, 365 days per year. Burlington personnel frequently visit the site to perform maintenance, inspect the equipment and ensure proper operation of the station.

B. Precipitation/Runoff

Any precipitation that contacts the process equipment, such as the glycol dehydrator, is collected in the concrete containment pad 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

Prevention of accidental releases from these sources is a priority of Burlington. 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 Burlington personnel.

B. Spill/Leak Clean Up

General spill clean up 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, Burlington will notify the NMOCD in accordance with the provisions described in NMOCD Rule and Regulation #116 and WQCC Section 1203.

XI. SITE CHARACTERISTICS

A. Hydrologic Features

1. *Surface Water*: There are no known surface water bodies within one mile of Rattlesnake.

2. *Domestic Water Sources*: There are no known domestic water wells within 1/4 mile of the facility perimeter.

3. *Ground Water Discharge Sites*: Minix Spring is just over one mile to the north of the facility perimeter. (USGS 7.5 minute series topographical map, Archuleta Quadragle)

4. *Ground Water:* The San Jose Formation occurs at the surface in the area of the compressor station. Aquifer waters in the San Jose Formation have an average specific conductance of 2,000 micromhos which is approximately equal to 1,400 ppm TDS. (New Mexico Bureau of Mines, Hydrologic Report 6, 1983).

   Ground water under the facility is most likely influenced by a nearby dry wash. Rattlesnake is situated 40 to 60 feet in elevation above the dry wash.

B. Geologic Description

In the area of the compressor station the San Jose Formation is predominately sandstone exhibiting coarse-grained and pebbly characteristics. The formation in this area ranges from 150 to 800 ft in thickness. (New Mexico Bureau of Mines, Hydrologic Report 6, 1983)

C. Flood Protection

The compressor station is situated 40 to 60 feet above a dry stream channel in Rattlesnake Canyon. Special flood control 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 have been installed and are periodically inspected to insure proper operation. As a result, Burlington 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: Keith Baker Title: Environmental and Safety Manager

Signature: T. Keith Baker Date: 9-27-96

Name: James B. Fraser Title: Production Manager

Signature: James B Fraser Date: 9-27-96

FIGURE 1: AREA MAP OF THE RATTLESNAKE COMPRESSOR STATION

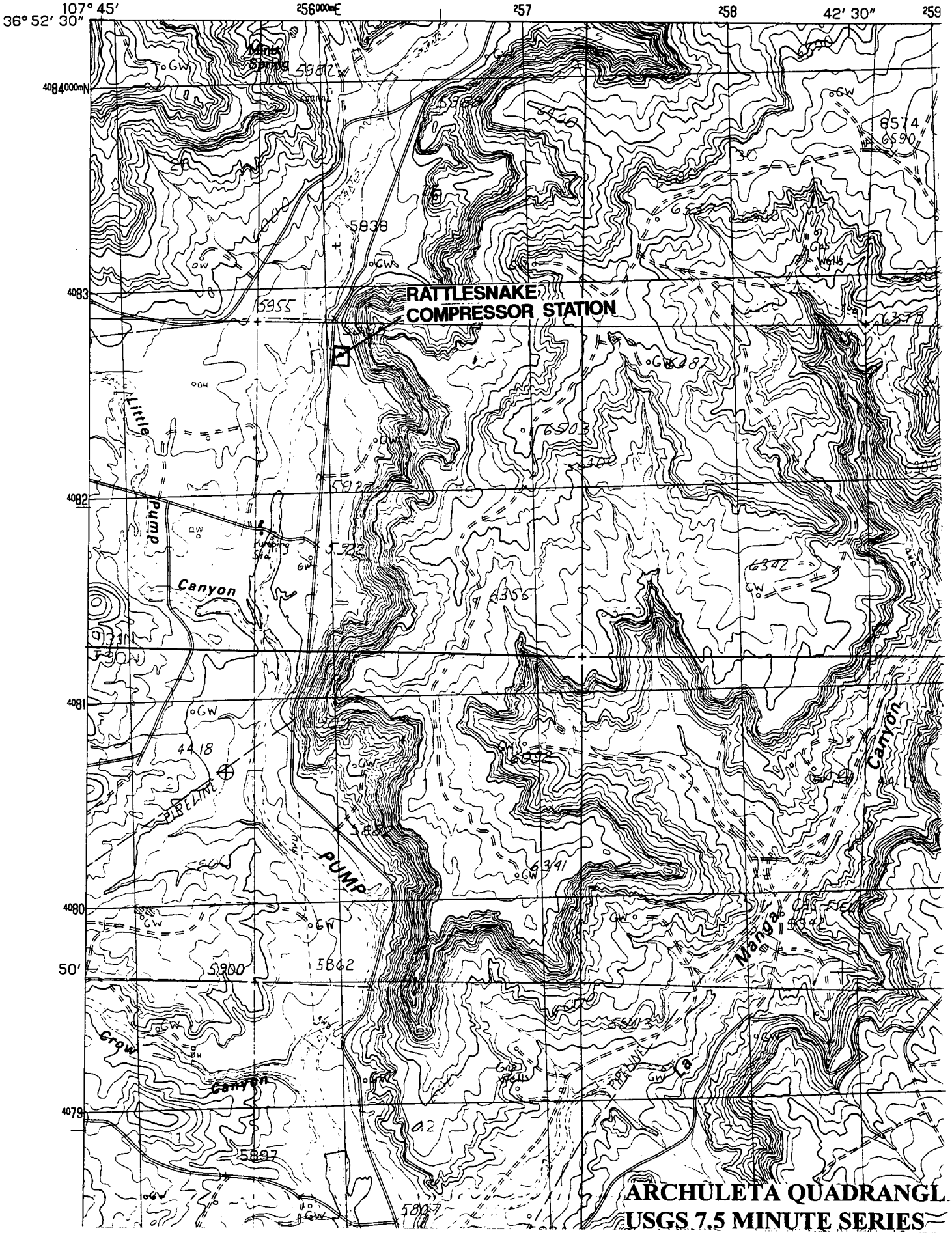


FIGURE 2: SITE DIAGRAM OF THE RATTLESNAKE COMPRESSOR STATION

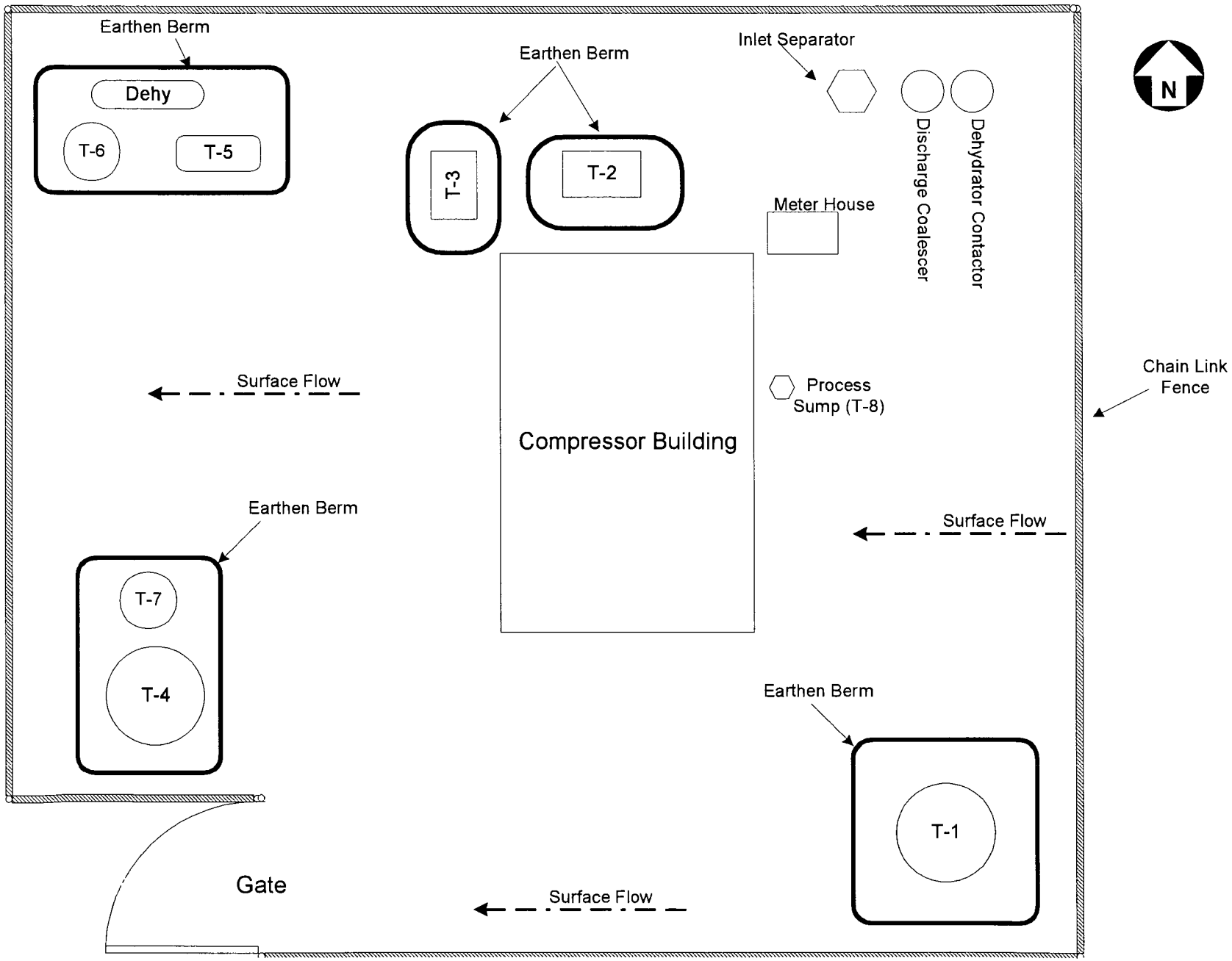
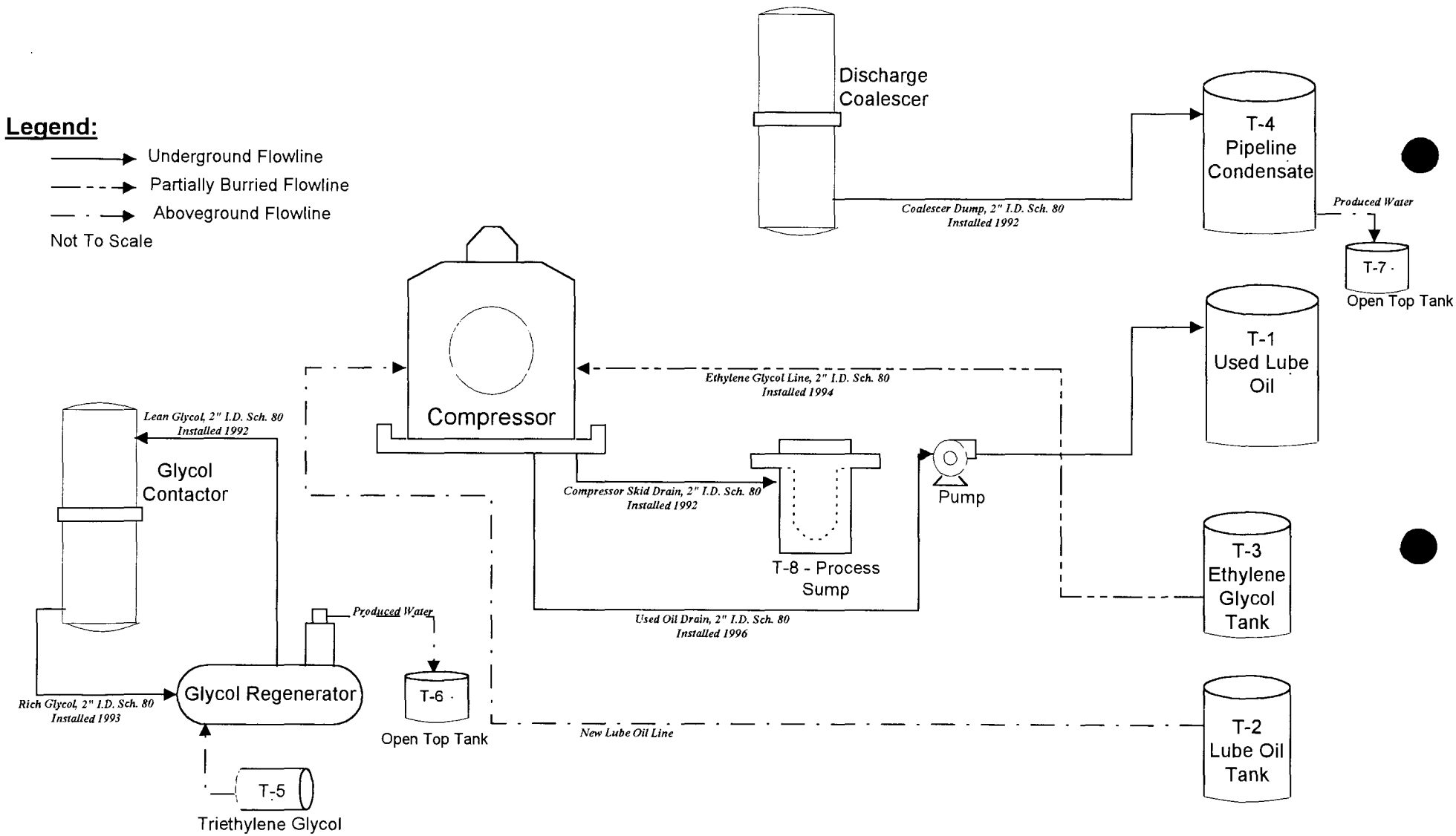


FIGURE 3: FLOWLINE SCHEMATIC
RATTLESNAKE COMPRESSOR STATION



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

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

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

July 19, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-966

Mr. Matt McEneny
Meridian Oil, Inc.
3535 E. 30th
Farmington, NM 87401

RE: Discharge Plan GW-093 Renewal Notice
Rattlesnake Compressor Station
San Juan County, New Mexico

Dear Mr. McEneny:

On January 17, 1992, the groundwater discharge plan, GW-093, for the Meridian Rattlesnake Compressor Station located in the NW/4 of Section 36, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico, was approved by the Director of the New Mexico Oil Conservation Division (OCD). This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulation 3106 and was approved pursuant to section 3109 for a period of five years. The approval will expire on January 17, 1997.

If the facility continues to have potential or actual effluent or leachate discharges and wishes to continue operation, the discharge plan must be renewed. **Pursuant to Section 3106.F., if an application for renewal is submitted at least 120 days before the discharge plan expires (on or before September 17, 1996), then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved.** The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several weeks to months. Please indicate whether Meridian has made, or intends to make, any changes in the system, and if so, please include these modifications in the application for renewal.

The discharge plan renewal application for the **Rattlesnake Compressor Station** is subject to the WQCC Regulation 3-114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of $50. There is no flat fee for compressor stations with a combined horsepower of 1000 or less. The $50 filing fee is to be submitted with the discharge plan renewal application and is nonrefundable.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

Please submit the original discharge plan renewal application and one copy to the OCD Santa Fe Office and one copy to the OCD Aztec District Office. **Note that the completed and signed application form must be submitted with your discharge plan renewal request.**

If Meridian no longer has any actual or potential discharges and a discharge plan is not needed, please notify this office. If Meridian has any questions, please do not hesitate to contact Mark Ashley at (505) 827-7155.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

RCA/mwa

xc: OCD Aztec Office

Z 765 962 966

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

UNITED STATES POSTAL SERVICE

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

PS Form **3800**, March 1993

OIL CONSERVATION DIVISION

January 16, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-922

Mr. Matt McEneny
Meridian Oil, Inc.
3535 E. 30th
Farmington, NM 87401

RE: Discharge Plan GW-093 Renewal
Rattlesnake Compressor Station
San Juan County, New Mexico

Dear Mr. McEneny:

On January 17, 1992, the groundwater discharge plan, GW-093, for the Meredian Rattlesnake Compressor Station located in the NW/4 of Section 36, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico, was approved by the Director of the New Mexico Oil Conservation Division (OCD). This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulation 3106 and was approved pursuant to section 3109 for a period of five years. The approval will expire on January 17, 1997.

If your facility continues to have potential or actual effluent or leachate discharges and you wish to continue operation, you must renew your discharge plan. The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several weeks to months. Please indicate whether you have made, or intend to make, any changes in your system, and if so, please include these modifications in your application for renewal.

The discharge plan renewal application for the Rattlesnake Compressor Station is subject to the WQCC Regulations 3114 discharge plan fee. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of $50 plus a flat fee for Compressor Stations with a combined horsepower of greater that 1,000.

The $50 filing fee is to be submitted with the discharge plan renewal application and is nonrefundable. The flat fee for an approved discharge plan renewal may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the

discharge plan - with the first payment due the at the time of approval. Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

Please submit the original and one copy to the OCD Santa Fe Office and one copy to the OCD Aztec District Office. **Note that the completed and signed application form must be submitted with your discharge plan renewal request.** The following information is enclosed: Application form, Guidelines, and WQCC regulations.

If you no longer have any actual or potential discharges, a discharge plan is not needed, please notify this office, and provide a closure plan for the facility. If you have any questions regarding this matter, please do not hesitate to contact Mark Ashley at (505) 827-7155.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

RCA/mwa

xc: OCD Aztec Office

Enclosures

Z 765 962 922

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

UNITED STATES POSTAL SERVICE

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

PS Form **3800**, March 1993

MERIDIAN OIL

OIL CONSERVATION DIVISION
RECEIVED
'93 NOV 1 AM 9 29

October 29, 1993

Certified - P 142 129 967

Roger Anderson
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

Re: Discharge Plan GW-57
Pump Canyon Compressor Station

Dear Mr. Anderson:

The above referenced plan specifies that "All chemical barrels and tanks will be set over a curbed concrete pad." (Section II C.3). During a recent internal review of the facility, Meridian Oil Inc. (MOI) noted that a 210 barrel ethylene glycol storage tank was not placed upon concrete. The tank is set upon approximately two feet of crushed gravel inside a bermed containment area. MOI believes that the crushed gravel provides adequate leak detection and enhanced insolation from moisture that retards corrosion. MOI believes that the tank setting is consistent with the intent of the discharge plan. MOI is taking this opportunity to notify your office about the tank to ensure that the approved discharge plan is consistent with facility operations and design.

Please advise MOI if any further action is required on this matter. If you have questions please call me at (505) 326-9841.

Sincerely,

Michael J. Frampton
Sr. Staff Environmental Representative

cc: Pump Canyon C.S.: Discharge Plan: Correspondence
Denny Foust - NMOCD, Aztec, N.M.

mjf/sn/pmpcydis

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

January 17, 1992

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

CERTIFIED MAIL
RETURN RECEIPT NO. P-690-155-044

Mr. Danny W. Hill
Meridian Oil Inc.
P.O. Box 4289
Farmington, New Mexico 87499-4289

RE: Discharge Plan GW-93
Rattlesnake Compressor Station
San Juan County, New Mexico

Dear Mr. Hill:

The groundwater discharge plan GW-93 for the Meridian Rattlesnake Compressor Station located in the NW/4, Section 36, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico is hereby approved. The discharge plan consists of the application dated November 18, 1991.

The discharge plan was submitted pursuant to Section 3-106 of the Water Quality Control Commission Regulations. It is approved pursuant to section 3-109.A. Please note Section 3-109.F., which provides for possible future amendment of the plan. Please be advised that approval of this plan does not relieve you of liability should your operation result in actual pollution of surface or ground waters or the environment which may be actionable under other laws and/or regulations.

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

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

Pursuant to Section 3-109.g.4., this plan approval is for a period of five years. This approval will expire January 17, 1997 and you should submit an application for renewal in ample time before that date.

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

Sincerely,

William J. LeMay
Director

WJL/rca

xc: OCD Aztec Office

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Ecological Services
Suite D, 3530 Pan American Highway, NE
Albuquerque, New Mexico 87107

December 20, 1991

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

Dear Mr. Lemay:

This responds to the Public Notice dated December 4, 1991, regarding the effects of granting State of New Mexico groundwater discharge permits on fish, shellfish, and wildlife resources in New Mexico.

The U.S. Fish and Wildlife Service (Service) comments are for the following permits.

(GW-93) - Meridian Oil Inc., Rattlesnake Compressor Station, NW/4, Section 36, T31N, R9W, NMPM, San Juan County, New Mexico. Wastewater is to be stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility.

(GW-71) - El Paso Natural Gas Company, Chaco Canyon Gas Processing Plant, Section 16, T26N, R12W, NMPM, San Juan County, New Mexico. Wastewater is disposed of in four unlined lagoons.

(GW-92) - El Paso Natural Gas Company, Rio Vista Compressor Station, Section 27, T29N, R11W, NMPM, San Juan County, New Mexico. Waste from a compressor station will be stored in a below grade steel tank.

(GW-88) - BHP-Petroleum (Americas), Inc., Gallegos Canyon Compressor Station, Section 21, T29N, R12W, NMPM, San Juan County, New Mexico. Wastewater will be stored in an above grade steel tank prior to transport to an OCD approved offsite Class II disposal well.

(GW-91) - Williams Fields Services, 32-9 Central Delivery Point, NE/4 SE/4, Section 15, and NW/4 SW/4, Section 14, T31N, R10W, NMPM, San Juan County, New Mexico. Wastewater will be stored in an above grade steel tank prior to transport to an OCD approved offsite disposal facility.

The Service is concerned with potential adverse effects of the proposed discharge plans upon migratory bird species. A significant number of migratory birds use evaporative ponds, tanks, and adjacent wetlands as a stopover during spring and fall migrations. There are also resident birds that nest and raise young in the area. Mortality due to poisoning or hypothermia may occur if migratory birds ingest or become covered with petroleum hydrocarbons and/or other organic or inorganic constituents present in these wastewaters. To avoid this consequence, the Service recommends that

all wastewater impoundments be designed and constructed to prevent access by migratory birds.

The pits, tanks, or impoundment should be screened, fenced, netted, or covered with material of sufficient size to prevent access by migratory birds. All pits, tanks, or impoundments should be lined to prevent seepage and possible access by migratory birds to contaminated water. These comments represent the views of the Service.

If you have any questions concerning our comments, please contact Richard Roy at FTS 474-7877 or (505) 883-7877.

Sincerely,

Jennifer Fowler-Propst
Field Supervisor

cc:
Assistant Regional Director, Fish and Wildlife Service, Fish and Wildlife Enhancement, Albuquerque, New Mexico

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 11/26/91,

or cash received on 12/3/91 in the amount of $ 50.00

from MERIDIAN OIL

for RATTLESNAKE COMPRESSOR STATION GW-93
(Facility Name) (DP No.)

Submitted by: Roger C. Anderson Date: 12/3/91

Submitted to ASD by: _____ Date: _____

Received in ASD by: Dorothy C. Montoya Date: 12/3/91

Filing Fee X New Facility ___ Renewal ___

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 80

To be deposited in the Water Quality Management Fund.

Full Payment ___ or Annual Increment ___

MERIDIAN OIL
801 CHERRY STREET FORT WORTH, TX 76102
817-347-2000

CHECK NO. [redacted]

CITIBANK /DELAWARE/, NEWCASTLE, DE

VENDOR NO.
107636

DATE	AMOUNT
11/26/91	$*********50.00

VOID IF NOT PRESENTED FOR PAYMENT WITHIN 60 DAYS

PAY TO THE ORDER OF
NEW MEXICO - ENERGY &
MINERALS DEPT - OIL
CONSERVATION DIVISION
1000 RIO BRAZOS ROAD
AZTEC, NM 87410

[redacted]

STATE OF NEW MEXICO
County of Bernalillo ss

OIL CONSERVATION DIVISION
RECEIVED
91 DEC 20 AM 8 46

Thomas J. Smithson being duly sworn declares and says that he is National Advertising manager of the **Albuquerque Journal**, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chaper 167, Session Laws of 1937, and that payment therefore has been made or assessed as court costs; that the notice, a copy of which is hereto attached, was published in said paper in the regular daily edition,

for 1 times, the first publication being on the 18 day of Dec., 1991, and the subsequent consecutive publications on Thomas J. Smithson, 1991.

Bernadette Cat-
12-18-93

Sworn and subscribed to before me, a Notary Public in and for the County of Bernalillo and State of New Mexico, this 18 day of Dec, 1991.

PRICE $ 52.54

Statement to come at end of month.

CLA-22-A (R-12/91) ACCOUNT NUMBER C31184

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, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

(GW-93)-Meridian Oil Inc., Danny W. Hill, Plant/Pipeline Manager, PO Box 4289, Farmington, New Mexico 87499-4289, has submitted a discharge plan application for their Rattlesnake Compressor Station located in the NW/4, Section 36, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico. Approximately 67 gallons per day of waste water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. Ground water most likely to be effected by an accidental discharge is at a depth of approximately 25 feet with a total dissolved solids concentration of approximately 1200 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed

(GW-71)-El Paso Natural Gas Company, Larry R. Tarver, Vice President, North Region, PO Box 1492, El Paso, Texas, 79978, has submitted a discharge plan application for their Chaco Canyon Gas Processing Plant located in Section 18, Township 26 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 180,000 gallons per day of process waste water is disposed of in four unlines lagoons. The discharge application proposes closure of the unlined lagoons and construction of double lined evaporation ponds equipped with leak detection. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 220 feet with a total dissolved solids concentration of approximately 560 mg/l. The discharge plan addresses how spills, leaks and other accidental discharges to the surface will be managed

(GW-92)-El Paso Natural Gas Company, Larry R. Tarver, Vice President, North Region, PO Box 1492, El Paso, Texas, 79978, has submitted a discharge plan application for their proposed Rio Vista Compressor Station located in Section 27, Township 29 North, Range 11 West, NMPM, San Juan County, New Mexico. The compressor atetion is designed to minimize the generation of wastes. Any wastes generated will stored in a below grade steel tank equipped with secondary containment and leak detection. Those wastes that cannot be recycled will be transported offsite to an OCD approved disposal site. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 24 feet with a total dissolved solids concentration of approximately 3400 mg/l. The discharge plan addresses how spills, leaks and other accidental discharges to the surface will be managed

(GW-88)-BHP-Petroleum (Americas), Inc., Jessee L. Roberts, Manager-Regulatory and Environmental Affairs, 5847 San Felipe, Suite 3600, Houston, Texas, 77057, has submitted a discharge plan application for their proposed Gallegos Canyon Compressor Station located in Section 21, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 2800 gallons per day of waste water will be stored in an above grade steel tank prior to transport to an OCD approved offsite Class II disposal well. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 200 feet with a total dissolved solids concentration of approximately 1000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed

(GW-91)-Williams Field Services, Sandy Fishler, Environmental Specialist, PO Box 58900, M.S. 10368, Salt Lake City, Utah, 84158-0900, has submitted a discharge plan application for their proposed 32-9 CDP (Central Delivery Point) located in the NE/4 SE/4, Section 15, and the NW/4 SW/4, Section 14, Township 31 North, Range 10 West, NMPM, San Juan County, New Mexico. Approximately 10 gallons per day of waste water will be stored in an above grade steel tank prior to transport to an OCD approved offsite disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 500 feet with a total dissolved solids concentration of approximately 300 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 5:00 p.m., Monday through Friday. Prior to ruling on any proposed permit or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest

If no public hearing is held, the Director will approve or disapprove the propoes 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 4th day of December, 1991.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
WILLIAM J. LEMAY, Director
Journal: December 18, 1991

MERIDIAN OIL

RATTLESNAKE COMPRESSOR STATION
DISCHARGE PLAN

Fnd. 93

November 18, 1991

Prepared by:

MERIDIAN OIL, INC.
3535 East 30th Street
Farmington, NM 87402

TABLE OF CONTENTS

LIST OF FIGURES

DISCHARGE PLAN

RATTLESNAKE COMPRESSOR STATION

I GENERAL INFORMATION

A. **Rattlesnake Compressor Station is owned and operated by:**
Meridian Oil, Inc.
3535 East 30th Street
P.O. Box 4289
Farmington, NM 87499-4289
(505) 326-9700

B. **Regional Vice President:**
C.R. Owen
Meridian Oil, Inc.
P.O. Box 4289
Farmington, NM 87499-4289
(505) 326-9700

Plant & Pipeline Manager:
D.W. Hill
Meridian Oil, Inc.

C. **Plant Location:**
NW/4 of Section 36
T31N, R9W, N.M.P.M.
San Juan County, NM (see figure 1)

D. **Purpose of Plant:**

Field compression facility, which will be used in the gathering of conventional natural gas.

Operator: Meridian Oil, Inc. (and others)
Process: Gas enters the station at a pressure of approximately 100 psig. The natural gas will be compressed to 400 psig, run through a dehydration system, and then discharged into a pipeline leaving the station.

Design Conditions:

Single Stage Compression

Gas Volume	12 MMSCFD
Oper. Pressure	100-400 PSIG
Speed Range	900 rpm
Station hp	750 hp

F. **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."

Danny W. Hill
Signature

04/08/91
Date

Danny W. Hill
Printed Name of Person Signing Document

Plant and Pipeline Manager
Title

II PLANT PROCESS

A. Sources and Quantities of Effluent and Process Fluids

The natural gas stream entering the plant is a conventional natural gas stream, essentially methane with heavier hydrocarbons also present.

1. In routine maintenance of the compressor engines, the oil in the engine will be changed approximately every month, at a rate of oil use of 80 gallons per month.

2. Free liquid from the pipeline will consist of water that condenses out of the gas as it travels through the pipe. The facility inlet scrubber will catch these liquids and dump into an 4200 gallon bermed tank located near the inlet scrubber. The estimated rate of condensed water is 2,000 gallons per month. Liquid hydrocarbons will be present; the estimated rate of these liquids is 3,700 gallons per month. The accumulated liquid hydrocarbons will be disposed of at a regional drip facility. The accumulated water will be disposed of at a Meridian produced water disposal facility.

B. Quality Characteristics

1. Chevron HDAX is used for the lubricating oil for the compressor engines. Please refer to the enclosed Material Safety Data Sheets (MSDS) for a description of this product.

C. Transfer and Storage of Process Fluids and Effluents

1. All pressure vessels in this plant conform to ASME Code. All process piping was hydrotested, designed, and fabricated per ANSI B31.8 Code. All pressure piping welds 2" and larger were 100% X-rayed. Maximum operating pressures for the pipelines are 750 psig.

2. The floor drains in the compressor engine block allow the used compressor engine oil to gravity drain into an underground sump tank. The sump tank is a new 375-gallon, double-walled steel tank with leak detection. This sump tank will be continually pumped down into a new above ground steel vertical tank (capacity 4,200 gallons), with a dirt berm built around the steel tank.

3. All chemical barrels and tanks will be set over curbed concrete pad (s).

D. **Spill/Leak Prevention and Housekeeping Procedures**

1. All operations personnel have been instructed to handle process fluid spills or leaks as follows:

   - Small spills: Cover with sand to soak up fluid and shovel into drums for off-site disposal. Disposal will be in accordance with all applicable New Mexico disposal rules.

   - Large spills: Dike around spill and pump into drums, or notify a vacuum truck if necessary to pump directly into truck.

   - Any spill large enough to require notification per OCD Rule 116 will be reported immediately by phone the OCD. Written notification will follow within one week per section 1-203 of the New Mexico Water Quality Control Commission Regulation.

2. The sump tank is a double walled and coated steel tank, which includes a leak detection system .

III EFFLUENT DISPOSAL

A. 1. The used lube oil from the compressor engines will be sold to a recycling contractor. This contractor will be approved by the New Mexico Environmental Improvement Division for the hauling and final disposition of the used oil.

2. The shipping agent contracted for off-site disposal is:
Mesa Oil, Inc.
4701 Broadway Blvd., SE
Albuquerque, NM

IV SITE CHARACTERISTICS

A. Water for this facility is hauled in by truck.

B. Depth to ground water is estimated to be greater than 25 feet.

A soil survey was performed by:

Western Technologies, Inc.
400 South Lorene Ave.
Farmington, NM 87401

Subsurface

As presented on Logs of Borings, surface soils to depths of 3 to 18.5 feet in test borings 1 and 2 were found to be sandy clay or sandy silt of firm to stiff consistency and low to medium plasticity. The surface soils to depths of 12.5 to 17 feet in test borings 3 and 4 consisted of clayey and silty sand of loose to medium density and none to low plasticity. The near surface soils to a depth of 12 feet in test boring 2 consisted of clayey sand of loose to medium density and low plasticity. The materials underlying the near surface soils in test borings 2, 3, and 4 and extending to the full depth of exploration consisted of sandy silt. Ground water was not encountered in any boring at the time of exploration.

C. Flood potential is very unlikely.

Flood protection - N/A.

V ADDITIONAL INFORMATION

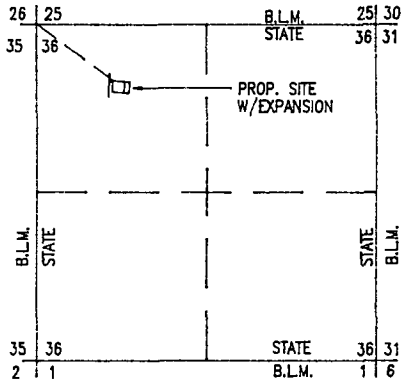
Produced water and hydrocarbon liquids will be present in the pipeline, as many of these wells will not have dehydration or separation onsite before the gas enters the pipeline. Produced water entering the pipeline will be separated out at the station. This produced water will be trucked back to the field and disposed of at a permitted Meridian disposal facility. Tank storage of this produced water will be bermed to protect the environment from leaks and spills.

A SURVEY FOR

MERIDIAN OIL, INC.

UNICON COMPRESSOR SITE TIE TO GAS COMPANY OF NEW MEXICO

NW/4 SEC.36, T.31 N., R.9 W., N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO



VICINITY MAP

SCALE: —— 1" = 3000'

LEGEND

POWER LINE —— P —— P ——

EDGE OF ROAD —— —— ——

PIPELINE —— · · —— · · ——

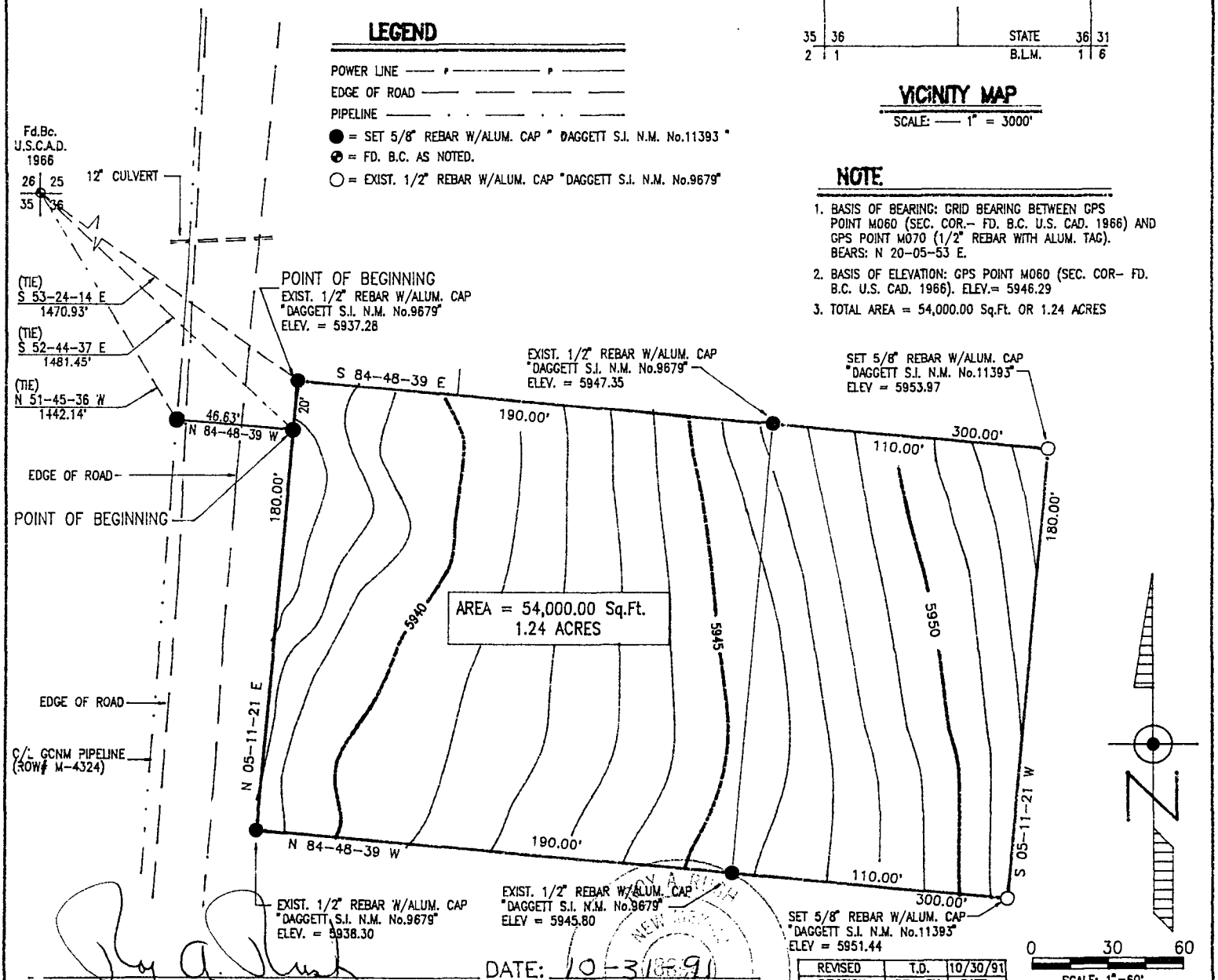
● = SET 5/8" REBAR W/ALUM. CAP " DAGGETT S.I. N.M. No.11393 "

◐ = FD. B.C. AS NOTED.

○ = EXIST. 1/2" REBAR W/ALUM. CAP "DAGGETT S.I. N.M. No.9679"

NOTE

1. BASIS OF BEARING: GRID BEARING BETWEEN GPS POINT M060 (SEC. COR.– FD. B.C. U.S. CAD. 1966) AND GPS POINT M070 (1/2" REBAR WITH ALUM. TAG). BEARS: N 20–05–53 E.
2. BASIS OF ELEVATION: GPS POINT M060 (SEC. COR– FD. B.C. U.S. CAD. 1966). ELEV.= 5946.29
3. TOTAL AREA = 54,000.00 Sq.Ft. OR 1.24 ACRES



DATE: 10-31-91

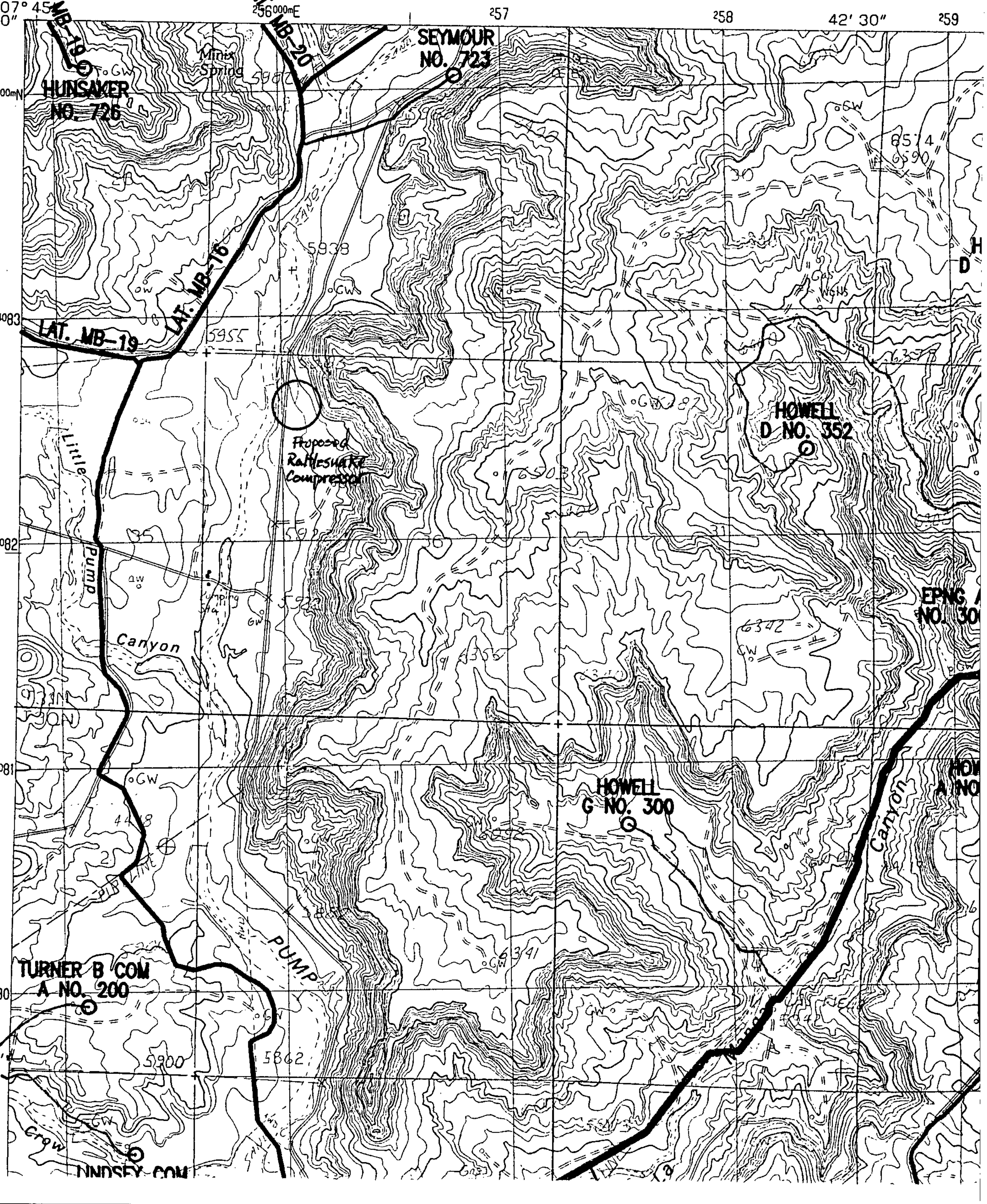
REVISED	T.D.	10/30/91
REVISION	REV. BY	DATE

I, ROY A. RUSH., A DULY QUALIFIED LAND SURVEYOR LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER BY DIRECT SUPERVISON AND THAT THIS SURVEY MEETS THE AMENDED MINIMUM STANDARDS FOR LAND SURVEYS IN NEW MEXICO.

DAGGETT SURVEYING, INC.
P.O. BOX NO.2789
FARMINGTON, NEW MEXICO 87401
(505) 326–1772
REGISTERED LAND SURVEYOR
ROY A. RUSH NEW MEXICO No.8894

DRAWN BY: T.G. R.O.W. # M1103 DWG. REF. No.M1103B36

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Material Safety Data Sheet

CHEVRON Gas Engine Oil HDAX Low Ash SAE 30 CPS232327

FARMINGTON OIL CO INC 5937360
SPECIAL ACCT-EL SEGUNDO
302 S LORENE
FARMINGTON, NM 87401

MATERIAL ORDERED FOR:
302 S LORENE
FARMINGTON, NM 87401

Print Date: January 11, 1991

This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of this MSDS.

Revised to update Sections 3 (Skin Irritation), 5 (HMIS Rating), 6 (Hazardous Decomposition Products), 7 (Specific Gravity), 9 (Composition), 10 (Department of Transportation Information) and 12 (Additional Health Data). The name was also changed (formerly CHEVRON Gas Engine Oil LP-285 SAE 30).

1. PRODUCT IDENTIFICATION

CHEVRON Gas Engine Oil HDAX Low Ash SAE 30

- A HAZARD WARNING IS NOT REQUIRED FOR THIS PRODUCT UNDER OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

PRODUCT NUMBER(S): CPS232327
PRODUCT INFORMATION: (800)582-3835

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200) by the Chevron Environmental Health Center, Inc., P.O. Box 4054, Richmond, CA 94804.

2. FIRST AID - EMERGENCY NUMBER (800)457-2022 OR (415)233-3737

EYE CONTACT:
No first aid procedures are required. However, as a precaution flush eyes with fresh water for 15 minutes. Remove contact lenses if worn.
SKIN CONTACT:
No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.
INHALATION:
Since this material is not expected to be an immediate inhalation problem, no first aid procedures are required.
INGESTION:
If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

3. IMMEDIATE HEALTH EFFECTS - (ALSO SEE SECTIONS 11 & 12)

EYE CONTACT:
This substance is not expected to cause prolonged or significant eye irritation.
SKIN IRRITATION:
This substance is not expected to cause prolonged or significant skin irritation. Prolonged or frequently repeated contact may cause the skin to become cracked or dry from the defatting action of this material.
DERMAL TOXICITY:
The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin.
RESPIRATORY/INHALATION:
The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if inhaled.
INGESTION:
The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if swallowed.

4. PROTECTIVE EQUIPMENT

EYE PROTECTION:
No special eye protection is usually necessary.
SKIN PROTECTION:
No special skin protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing.
RESPIRATORY PROTECTION:
No special respiratory protection is normally required. However, if

operating conditions create high airborne concentrations, the use of an approved respirator is recommended.

VENTILATION:

Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

5. FIRE PROTECTION

FLASH POINT: (COC) 418F (215C) Min.
AUTOIGNITION: NDA
FLAMMABILITY: NA
EXTINGUISHING MEDIA:
CO2, Dry Chemical, Foam, Water Fog

NFPA RATINGS: Health 0; Flammability 1; Reactivity 0; Special NDA;
HMIS RATINGS: Health 0; Flammability 1; Reactivity 0; Other NDA;
(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association or, if applicable, the National Paint and Coating Association, and do not necessarily reflect the hazard evaluation of the Chevron Environmental Health Center. Read the entire document and label before using this product.

FIRE FIGHTING PROCEDURES:

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide, water vapor and may produce oxides of sulfur, nitrogen and phosphorous.

6. STORAGE, HANDLING, AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

NDA

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

INCOMPATIBILITY:

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

SPECIAL PRECAUTIONS:

DO NOT weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently. CAUTION! Do not use pressure to empty drum or explosion may result.

7. PHYSICAL PROPERTIES

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

APPEARANCE: Dark amber liquid..
BOILING POINT: NA
MELTING POINT: NA
EVAPORATION: NA
SPECIFIC GRAVITY: 0.88 @ 15.6/15.6C
VAPOR PRESSURE: NA
PERCENT VOLATILE (VOLUME %): NA
VAPOR DENSITY (AIR=1): NA
VISCOSITY: 11.0 cSt @ 100C Min.

8. ENVIRONMENTAL CONCERNS, SPILL RESPONSE AND DISPOSAL

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300 (24 hour).
SPILL/LEAK PRECAUTIONS:
This material is not expected to present any environmental problems other than those associated with oil spills.

Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.
DISPOSAL METHODS:
Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

9. EXPOSURE STANDARDS, REGULATORY LIMITS AND COMPOSITION

COMPOSITION COMMENT:
All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

Based upon information reviewed to date, this product fits the ACGIH definition for mineral oil mist. The ACGIH TLV is 5mg/m3, the OSHA PEL is 5mg/m3.

The percent compositions are given to allow for the various ranges of the components present in the whole product and may not equal 100%.

PERCENT/CAS#	COMPONENT/REGULATORY LIMITS
100.0 %	CHEVRON Gas Engine Oil HDAX Low Ash SAE 30

CONTAINING

90.0 % DISTILLATES, HYDROTREATED HEAVY PARAFFINIC
CAS64742547

10.0 % ADDITIVES INCLUDING THE FOLLOWING

> 1.0 % ZINC ALKARYL DITHIOPHOSPHATE
CAS54261675 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	CPS - CUSA Product Code
CC - Chevron Chemical Company	CAS - Chemical Abstract Service Number

10. REGULATORY INFORMATION

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE FEDERAL DOT
DOT HAZARD CLASS: NOT APPLICABLE
DOT IDENTIFICATION NUMBER: NOT APPLICABLE

SARA 311 CATEGORIES:
1. Immediate (Acute) Health Effects; NO
2. Delayed (Chronic) Health Effects; YES
3. Fire Hazard; NO
4. Sudden Release of Pressure Hazard; NO
5. Reactivity Hazard; NO

WHEN A COMPONENT OF THIS MATERIAL IS SHOWN IN THIS SECTION, THE REGULATORY LIST ON WHICH IT APPEARS IS INDICATED.

ZINC ALKARYL DITHIOPHOSPHATE 01,10,11,

REGULATORY LISTS SEARCHED:

01=SARA 313	02=MASS RTK	03=NTP Carcinogen
04=CA Prop. 65	05=MI 406	06=IARC Group 1
07=IARC Group 2A	08=IARC Group 2B	09=SARA 302/304
10=PA RTK	11=NJ RTK	12=CERCLA 302.4
13=MN RTK	14=ACGIH TLV	15=ACGIH STEL
16=ACGIH Calculated TLV	17=OSHA TWA	18=OSHA STEL
19=Chevron TLV	20=EPA Carcinogen	21=TSCA SECT 4
22=TSCA SECT 5 SNUR	23=TSCA SECT 6 RULE	24=TSCA SECT 12 EXPORT
25=TSCA SECT 8A CAIR	26=TSCA SECT 8D REPORT	27=TSCA SECT 8E
28=Canadian WHMIS	29=OSHA CEILING	

11. PRODUCT TOXICOLOGY DATA

EYE IRRITATION:
No product toxicology data available. The hazard evaluation was based on

data on the components.

SKIN IRRITATION:
No product toxicology data available. The hazard evaluation was based on data on the components.

DERMAL TOXICITY:
No product toxicology data available. The hazard evaluation was based on data on the components.

RESPIRATORY/INHALATION:
No product toxicology data available. The hazard evaluation was based on data on the components.

INGESTION:
No product toxicology data available. The hazard evaluation was based on data on the components.

12. ADDITIONAL HEALTH DATA

ADDITIONAL HEALTH DATA COMMENT:
This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

This product contains zinc alkaryl dithiophosphate which is similar in toxicity to zinc alkyl dithiophosphate (ZDDP). Several (ZDDPs) have been reported to have weak mutagenic activity in cultured mammalian cells but only at concentrations that were toxic to the test cells. We do not believe that there is any mutagenic risk to workers exposed to ZDDPs.

****

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

MERIDIAN OIL

OIL CONSERVATION DIVISION
RECEIVED

'91 DEC 2 AM 10 13

November 25, 1991

Mr. Roger Anderson
Environmental Engineer
State of New Mexico
Energy, Minerals, and Natural Resources Department
Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

RE: Rattlesnake Compressor Station
Discharge Plan

Enclosed is a $50.00 check to cover the Rattlesnake Compressor Station Discharge Plan application filing fee. Also enclosed are two additional copies of the Plan. These are provided as follow up to our November 20, 1991 telephone conversation.

Please contact me at 505/326-9523 if you need any additional information. Your cooperation is appreciated.

Sincerely,

M.J. McEneny
Regional Safety/Environmental Supervisor

Enclosure

MJM/vka:46

MERIDIAN OIL

November 18, 1991

Mr. William J. LeMay
State of New Mexico
Energy, Minerals, and Natural Resources Department
Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, NM 87504

Dear Mr. LeMay:

Enclosed is a Discharge Plan for the proposed Meridian Oil Rattlesnake Compressor Station. This plan is nearly identical to those discharge plans (GW-56, GW-57, GW-58, GW-59) previously submitted and approved by the NMOCD. The Rattlesnake Compressor Station is designed the same as Gobernador, Hart Canyon, Manzanares, and Pump Canyon Compressor facilities, so that all fluids are contained within the facility, allowing for full protection of the environment from leaks and spills. Disposal of waste products is addressed identically in this plan, as addressed in those approved plans mentioned above.

Construction of the facility is scheduled to begin November 20, 1991. Allowing thirty days for the public comment period considerably shortens approval time. To expedite any questions you may have, please contact Matt McEneny or myself as indicated below.

Yours Truly,

Danny W. Hill
Plant/Pipeline Manager

Enclosure

DWH/vka:46

Meridian Oil Inc., 3535 East 30th St., P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700

AFFIDAVIT OF PUBLICATION

No. 28702

STATE OF NEW MEXICO,
County of San Juan:

CHRISTINE HILL being duly sworn, says: "That she is the NATIONAL AD MANAGER of The Farmington Daily Times, a daily newspaper of general circulation published in English in Farmington, said county and state, and that the hereto attached LEGAL NOTICE

was published in a regular and entire issue of the said Farmington 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 ONE consecutive (days) (/////) on the same day as follows:

First Publication WEDNESDAY, DECEMBER 11, 1991

Second Publication

Third Publication

Fourth Publication

and that payment therefore in the amount of $ 78.27 has been made.

Christine Hill

Subscribed and sworn to before me this 18th day of DECEMBER, 1991.

Connie Andrae

Notary Public, San Juan County, New Mexico

My Comm expires: JULY 3, 1993

COPY OF PUBLICATI

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

Notice is hereby given that pursuant to New Mexic Water Quality Control Commission Regulations, th following discharge plan applications have been sul mitted to the Director of the Oil Conservation Divisio State Land Office Building, P.O. Box 2088, Santa F New Mexico 87504-2088, Telephone (505) 827-580C

(GW-93) - Meridian Oil Inc., Danny W. Hill, Plant /Pipeline Manager, P.O. Box 4289, Farmington, New Mexico, 87499-4289, has submitted a discharge plan application for their Rattlesnake Compressor Station located in the NW/4, Section 36, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico. Approximately 67 gallons per day of waste water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 25 feet with a total dissolved solids concentration of approximately 1200 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-71) - El Paso Natural Gas Company, Larry R. Tarver, Vice President, North Region, P.O. Box 1492, El Paso, Texas, 79978, has submitted a discharge plan application for their Chaco Canyon Gas Processing Plant located in Section 16, Township 26 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 180,000 gallons per day of process waste water is disposed of in four unlined lagoons. The discharge application proposes closure of the unlined lagoons and construction of double lined evaporation ponds equipped with leak detection. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 220 feet with a total dissolved solids concentration of approximately 560 mg/l. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

(GW-92) - El Paso Natural Gas Company, Larry R. Tarver, Vice President, North Region, P.O. Box 1492, El Paso Texas, 79978, has submitted a discharge plan application for their proposed Rio Vista Compressor Station located in Section 27, Township 29 North, Range 11 West, NMPM, San Juan County, New Mexico. The compressor station is designed to minimize the generation of wastes. Any wastes generated will stored in a below grade steel tank equipped with secondary containment and leak detection. Those wastes that cannot be recycled will be transported offsite to an OCD approved disposal site. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 24 feet with a total dissolved solids concentration of approximately 3400 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-88) - BHP Petroleum (Americas), Inc., Jessee L. Roberts, Manager-Regulatory and Environmental Affairs, 5847 San Felipe, Suite 3600, Houston, Texas, 77057, has submitted a discharge plan application for their proposed Gallegos Canyon Compressor Station located in Section 21, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 2800 gallons per day of waste water will be stored in an above grade steel tank prior to transport to an OCD approved offsite Class II disposal well. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 200 feet with a total dissolved solids concentration of approximately 1000 mg /l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-91) - Williams Field Services, Sandy Fichler

leaks, and other accidental discharges to the surface will be managed.

(GW-91) - Williams Field Services, Sandy Fishler, Environmental Specialist, P.O. Box 58900, M.S. 10368, Salt Lake City, Utah, 84158-0900, has submitted a discharge plan application for their proposed 32-9 CDP (Central Delivery Point) located in the NE/4 SE/4, Section 15, and the NW/4 SW/4, Section 14, Township 31 North, Range 10 West, NMPM, San Juan County, New Mexico. Approximately 10 gallons per day of waste water will be stored in an above grade steel tank prior to transport to an OCD approved offsite disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 500 feet with a total solids concentration of approximatley 300 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 5:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held., A hearing will be held if the Director determines there is significant public interest.

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

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 4th day of December, 1991.

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

SEAL

Legal No 28702 published in the Farmington Daily Times, Farmington, New Mexico on Wednesday, December 11, 1991.

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, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

(GW-93) - Meridian Oil Inc., Danny W. Hill, Plant/Pipeline Manager, P.O. Box 4289, Farmington, New Mexico, 87499-4289, has submitted a discharge plan application for their Rattlesnake Compressor Station located in the NW/4, Section 36, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico. Approximately 67 gallons per day of waste water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately 25 feet with a total dissolved solids concentration of approximately 1200 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 4th day of December, 1991.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

S E A L

WILLIAM J. LEMAY, Director