

**LEAK
&
CLOSURE
REPORT**

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

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

Form C-141
Originated 2/13/97

Submit 2 copies to
Appropriate District
Office in accordance
with Rule 116 on
back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name Dynergy Midstream Services, L. P.	Contact Cal Wrangham
Address P. O. Box 1909, Eunice, NM 88231	Telephone No. 915-688-0542
Facility Name Eunice Plant	Facility Type Natural Gas Processing Plant

Surface Owner	Mineral Owner	Lease No.
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LOCATION OF RELEASE

Unit Letter M	Section 31	Township 20S	Range 38E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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NATURE OF RELEASE

Type of Release Natural Gas Pipeline Liquids	Volume of Release	Volume Recovered 16 bbls.
Source of Release Natural Gas Gathering Pipeline	Date and Hour of Occurrence 11-14-97 2:00 pm	Date and Hour of Discovery Same
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour RECEIVED	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. MAR 12 1999	

If a Watercourse was Impacted, Describe Fully. (Attach Additional Sheets If Necessary)

Environmental Bureau
Oil Conservation Division

Describe Cause of Problem and Remedial Action Taken. (Attach Additional Sheets If Necessary)

Pipeline leak due to external corrosion. Shut-in line and contracted vacuum truck to recover free liquid.

Describe Area Affected and Cleanup Action Taken. (Attach Additional Sheets If Necessary)

See attached documents.

COPY

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Cal Wrangham</i>	OIL CONSERVATION DIVISION	
Printed Name: Cal Wrangham	Approved by District Supervisor: <i>Walter Poir - ENCL BUREAU</i>	
Title: ES&H Advisor	Approval Date: 8/13/99	Expiration Date:
Date: 12-29-98	Phone: 915-688-0542	Conditions of Approval: Attached <input type="checkbox"/>

Dynegy Midstream Services, Limited Partnership
P. O. Box 1909
Eunice, New Mexico 88231
Phone 505.394.2534
Fax 505.394.2714
www.dynegy.com

JUN 25



Mr. Wayne Price
State of New Mexico
Oil Conservation Division
2040 So. Pacheco
Santa Fe, NM 87505

RE
JUN 2 1999
Environmental Bureau
Oil Conservation Division

RE: Eunice gathering pipeline leak

Mr. Price:

Please find enclosed the photos of the liner sign we discussed on the phone. As per the landowners request Dynegy covered the leak area with a thin layer of cotton seed hulls to help stabilize the sandy soil.

Please call with any questions or concerns.

Sincerely,

Cal Wrangham
Region ES&H Advisor

CC: Mike Hicks
Jerry Parr
Plant files





Dynegy Midstream Services, Limited Partnership
6 Desta Drive, Suite 3300
Midland, Texas 79705
Phone 915.688.0555
Fax 915.688.0552
www.dynegy.com

RECEIVED

APR 01 1999

Environmental Bureau
Oil Conservation Division



DYNEGY

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

Attn: Mr. Wayne Price, Environmental Engineer

March 30, 1999

RE: Site closure, Eunice gathering system release

Dear Mr. Price:

Pursuant to our telephone conversation of March 29, 1999 Dynegy Midstream Services, L.P. is pleased to provide the following information for your use in preparing a closure letter for the referenced release.

Dynegy removed 1080 yards of soil for remediation to E. P. I. Landfarm Eunice New Mexico, and backfilled the site with clean soil purchased from the landowner. This work was done by B&H Construction of Eunice NM. Please find attached the documentation for this soil.

Dynegy will construct a permanent concrete marker at the site identifying the presence of the liner, its depth and location relative to the marker, and liner size.

As previously reported to you (in correspondence dated November 10, 1998) Dynegy installed and sampled a test well at the site. The groundwater sample yielded no petroleum hydrocarbon contamination above applicable New Mexico Water Control Commission ground water standards.

The test well was removed in March, 1999 (before the liner was installed) by completely pulling up the casing and tubing. The hole was then backfilled with clean sandy soil. Since the liner was installed over the well bore, the potential for contaminant migration from the surface to the water table through the backfilled bore has been mitigated

If you have any questions please contact me at 6 Desta Drive Suite 3300, Midland, TX 79705 or call (915) 688-0542.

Sincerely,

A handwritten signature in cursive script, appearing to read "Cal Wrangham".

Cal Wrangham
ES&H Advisor
Permian Basin Region

Cc:
Clark White
Mike Hicks
Russell Dykes
Jerry Parr

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APR 01 1999
Environmental Bureau
Oil Conservation Division

**ENVIRONMENTAL PLUS INC.**

STATE APPROVED LAND FARM
BOX 969 EUNICE, NM 88231
(505) 394-3481
FED. ID 85-0416233

Invoice No.

10298

INVOICE**Customer**

Name Warren Petroleum Corp.
Address Box 1909
City Eunice State NM ZIP 88231
Phone _____

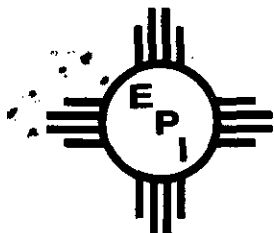
Date 1/12/98
Order No. _____
Rep Jerry Collis
FOB _____

Qty	Description	Unit Price	TOTAL
1,080 yds.	Intake of 1,080 yards of exempt waste material from location North of Eunice. Sec 5 TW215 R37E <i>received 5-11-98</i>	\$23.00	\$24,848.00
SubTotal			\$24,848.00
Shipping & Handling			
Taxes State			\$1,304.52
TOTAL			\$26,152.52

RECEIVED
APR 01 1999
Environmental Bureau
Oil Conservation Division

Office Use Only

Thank You



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

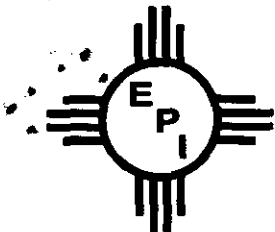
EUNICE, NEW MEXICO 88231

Nº

250

COMPANY NAME WARREN Petroleum Company
COMPANY REPRESENTATIVE NAME Dwayne Parker
LEASE NAME _____
SEC. - TOWNSHIP - RANGE OR LOCATION SEC 5 TW 21S R 37E
TRUCKING COMPANY NAME B & H
DRIVER'S SIGNATURE Guadalupe R. Prieto
TYPE OF MATERIAL AND QUANTITY Contaminated soil 17 loads AT 12 yards 84 yards
EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒
OTHER _____ EXPLAIN _____
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒
CELL NO. 4
COMMENTS: Contaminated soil

NAME OF ATTENDANT ON DUTY Roger Boone
DATE ACCEPTED 12-31-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

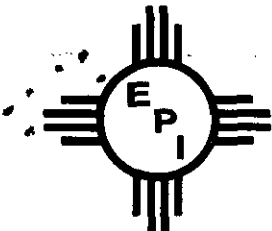
EUNICE, NEW MEXICO 88231

Nº

249

COMPANY NAME WARREN Petroleum Company
COMPANY REPRESENTATIVE NAME DEWAYNE Acker
LEASE NAME _____
SEC. - TOWNSHIP - RANGE OR LOCATION SEC 5 T21S R37E
TRUCKING COMPANY NAME B+H
DRIVER'S SIGNATURE Pruden Prieto
TYPE OF MATERIAL AND QUANTITY Contaminated soil 3 loads at 12 yards 36 yards
EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒
OTHER _____ EXPLAIN _____
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒
CELL NO. 4
COMMENTS: Contaminated soil

NAME OF ATTENDANT ON DUTY Roger Boone
DATE ACCEPTED 12-30-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

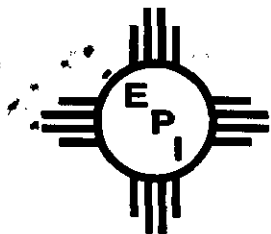
EUNICE, NEW MEXICO 88231

Nº

248

COMPANY NAME WALLEN Petroleum Company
COMPANY REPRESENTATIVE NAME DEWAYNE PARKER
LEASE NAME _____
SEC. - TOWNSHIP - RANGE OR LOCATION SEC 5 T2W21S R37E
TRUCKING COMPANY NAME H+H
DRIVER'S SIGNATURE OSCAR DURAN Oscar Duran
TYPE OF MATERIAL AND QUANTITY Contaminated soil 3 loads at 12 yards 36 yards
EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒
OTHER _____ EXPLAIN _____
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒
CELL NO. 4
COMMENTS: Contaminated soil

NAME OF ATTENDANT ON DUTY Roger Boone
DATE ACCEPTED 12-30-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

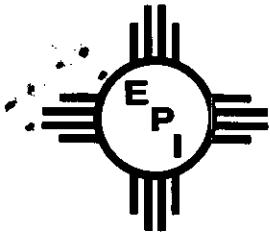
EUNICE, NEW MEXICO 88231

Nº

247

COMPANY NAME WARREN Petroleum COMPANY
COMPANY REPRESENTATIVE NAME DEWAYNE PARKER
LEASE NAME _____
SEC. - TOWNSHIP - RANGE OR LOCATION SEC 5 TW21S R37E
TRUCKING COMPANY NAME B+H
DRIVER'S SIGNATURE OSCAR DORAN Oscar Doran
TYPE OF MATERIAL AND QUANTITY CONTAMINATED SOIL 17 LOADS AT 12 yards 7284 yards
EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒
OTHER _____ EXPLAIN _____
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒
CELL NO. 4
COMMENTS: CONTAMINATED SOIL FROM PIPE LINE LEAK

NAME OF ATTENDANT ON DUTY Roger Boone
DATE ACCEPTED 12-18-77



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

EUNICE, NEW MEXICO 88231

Nº

246

COMPANY NAME WALTER PETROLEUM COMPANY

COMPANY REPRESENTATIVE NAME DWAYNE PAIKER

LEASE NAME _____

SEC. - TOWNSHIP - RANGE OR LOCATION SECS TW21S R37E

TRUCKING COMPANY NAME ~~Great Eastern~~ B & H

DRIVER'S SIGNATURE Maggie Venegas

TYPE OF MATERIAL AND QUANTITY CONTAMINATED SOIL 6 LOADS AT 12 YARDS 72 YARDS

EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒

OTHER _____ EXPLAIN _____

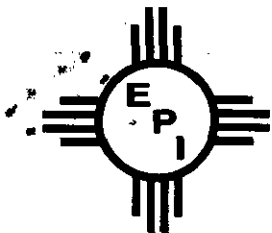
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒

CELL NO. 4

COMMENTS: CONTAMINATED SOIL FROM PIPELINE LEAK

NAME OF ATTENDANT ON DUTY Bogert Boene

DATE ACCEPTED 12-18-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

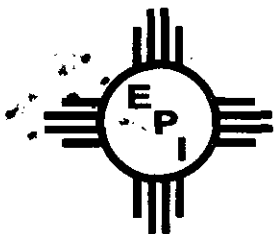
EUNICE, NEW MEXICO 88231

Nº

245

COMPANY NAME Warren Petroleum Company
COMPANY REPRESENTATIVE NAME Dewayne Parker
LEASE NAME _____
SEC. - TOWNSHIP - RANGE OR LOCATION SEC 5 T21S R37E
TRUCKING COMPANY NAME Colburn Company
DRIVER'S SIGNATURE Anthony H. Rye
TYPE OF MATERIAL AND QUANTITY Contaminated soil 6 load at 12 yards 72 yards
EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒
OTHER _____ EXPLAIN _____
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒
CELL NO. 4
COMMENTS: Contaminated soil from pipeline leak

NAME OF ATTENDANT ON DUTY Roger Brown
DATE ACCEPTED 12-12-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

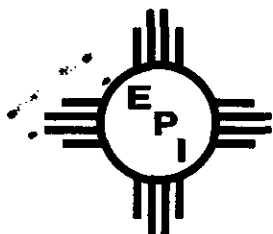
EUNICE, NEW MEXICO 88231

Nº

244

COMPANY NAME Warren Petroleum Company
COMPANY REPRESENTATIVE NAME DEWAYNE PARKER
LEASE NAME _____
SEC. - TOWNSHIP - RANGE OR LOCATION SEC 5 T22S R37E
TRUCKING COMPANY NAME COLBURN COMPANY
DRIVER'S SIGNATURE Anthony H. Reyes
TYPE OF MATERIAL AND QUANTITY CONTAMINATED SOIL 4 Loads At 12 yards 40 yards
EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒
OTHER _____ EXPLAIN _____
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒
CELL NO. 4
COMMENTS: CONTAMINATED SOIL from pipe LEAK

NAME OF ATTENDANT ON DUTY Roger Boone
DATE ACCEPTED 12-11-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

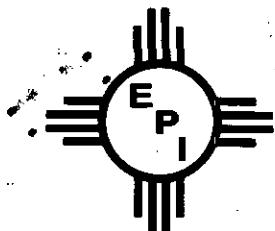
P.O. BOX 969

EUNICE, NEW MEXICO 88231

No 240

COMPANY NAME WALLEN Petroleum Company
COMPANY REPRESENTATIVE NAME Dwayne Parker
LEASE NAME _____
SEC. - TOWNSHIP - RANGE OR LOCATION Sec 5 TW21S R37E
TRUCKING COMPANY NAME Colburn
DRIVER'S SIGNATURE [Signature]
TYPE OF MATERIAL AND QUANTITY CONTAMINATED soil 7 loads at 12 yards 84 yards
EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒
OTHER _____ EXPLAIN _____
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒
CELL NO. 4
COMMENTS: CONTAMINATED soil from pipeline leak

NAME OF ATTENDANT ON DUTY Roger Boone
DATE ACCEPTED 12-10-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

EUNICE, NEW MEXICO 88231

No

237

COMPANY NAME WARREN Petroleum Company

COMPANY REPRESENTATIVE NAME DEWAYNE PARKER

LEASE NAME _____

SEC. - TOWNSHIP - RANGE OR LOCATION SECS TW21S R37E

TRUCKING COMPANY NAME Colborn

DRIVER'S SIGNATURE Santiago H. Payer

TYPE OF MATERIAL AND QUANTITY CONTAMINATED SOIL at 12 yards 6 loads 72 yards

EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒

OTHER _____ EXPLAIN _____

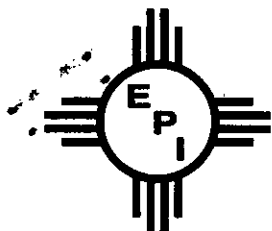
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒

CELL NO. 4

COMMENTS: CONTAMINATED SOIL from pipeline leak

NAME OF ATTENDANT ON DUTY Roger Boone

DATE ACCEPTED 12-9-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

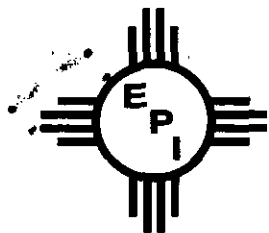
EUNICE, NEW MEXICO 88231

No

234

COMPANY NAME Warren Petroleum Company
COMPANY REPRESENTATIVE NAME Dwayne Parker
LEASE NAME _____
SEC. - TOWNSHIP - RANGE OR LOCATION SEC 5 T215 R37E
TRUCKING COMPANY NAME Colburn
DRIVER'S SIGNATURE Santiago R. Rojas
TYPE OF MATERIAL AND QUANTITY Contaminated soil to 1000 sq yard 72 yards
EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒
OTHER _____ EXPLAIN _____
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒
CELL NO. 4
COMMENTS: CONTAMINATED SOIL from pipeline leak

NAME OF ATTENDANT ON DUTY Roger Boone
DATE ACCEPTED 12-8-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

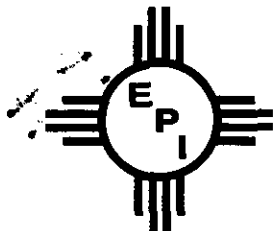
EUNICE, NEW MEXICO 88231

No

233

COMPANY NAME Warren Petroleum Company
COMPANY REPRESENTATIVE NAME Dewayne Parker
LEASE NAME _____
SEC. - TOWNSHIP - RANGE OR LOCATION Sec 5 T12 R37E
TRUCKING COMPANY NAME Colburn Company
DRIVER'S SIGNATURE [Signature]
TYPE OF MATERIAL AND QUANTITY Contaminated soil 4 loads at 12 yards 40 yards
EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒
OTHER _____ EXPLAIN _____
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒
CELL NO. 4
COMMENTS: Contaminated soil from pipeline spill

NAME OF ATTENDANT ON DUTY Roger Boone
DATE ACCEPTED 12-5-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

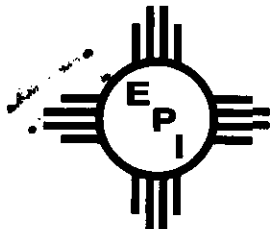
EUNICE, NEW MEXICO 88231

No

232

COMPANY NAME WATREN PETROLEUM COMPANY
COMPANY REPRESENTATIVE NAME DEWAYNE PARKER
LEASE NAME _____
SEC. - TOWNSHIP - RANGE OR LOCATION SEC 5 TW 21S R 37E
TRUCKING COMPANY NAME Colburn Company
DRIVER'S SIGNATURE Kirk P. Turner
TYPE OF MATERIAL AND QUANTITY CONTAMINATED SOIL 9 loads at 12 yards 108 yards
EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒
OTHER _____ EXPLAIN _____
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒
CELL NO. 4
COMMENTS: CONTAMINATED SOIL PIPELINE LEAK

NAME OF ATTENDANT ON DUTY Roger Boone
DATE ACCEPTED 12-3-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

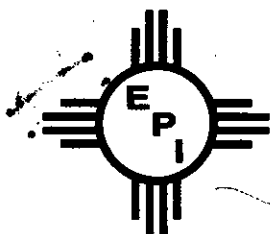
EUNICE, NEW MEXICO 88231

No

231

COMPANY NAME WATKIN Petroleum Company
COMPANY REPRESENTATIVE NAME DEWAYNE PARKER
LEASE NAME _____
SEC. - TOWNSHIP - RANGE OR LOCATION SEC 5 T12N R37E
TRUCKING COMPANY NAME Colburn Company
DRIVER'S SIGNATURE Santiago N. Reyes #14
TYPE OF MATERIAL AND QUANTITY CONTAMINATED SOIL 5 loads at 12 yards 60 yards
EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒
OTHER _____ EXPLAIN _____
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒
CELL NO. 4
COMMENTS: CONTAMINATED SOIL FROM PIPELINE LEAK

NAME OF ATTENDANT ON DUTY Roger Boone
DATE ACCEPTED 12-3-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

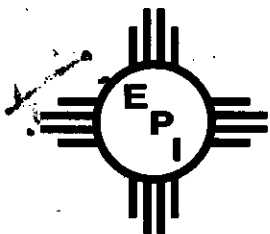
P.O. BOX 969

EUNICE, NEW MEXICO 88231

No 230

COMPANY NAME WARREN Petroleum Company
COMPANY REPRESENTATIVE NAME DEWAYNE PARKER
LEASE NAME _____
SEC. - TOWNSHIP - RANGE OR LOCATION SEC 5 TW 21S R 37E
TRUCKING COMPANY NAME Colburn Company
DRIVER'S SIGNATURE Paul D. Tynes II
TYPE OF MATERIAL AND QUANTITY Contaminated soil 3 loads at 12 yards 36 yards
EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒
OTHER _____ EXPLAIN _____
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒
CELL NO. 4
COMMENTS: Contaminated soil from pipeline leak

NAME OF ATTENDANT ON DUTY Roger Boone
DATE ACCEPTED 12-1-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

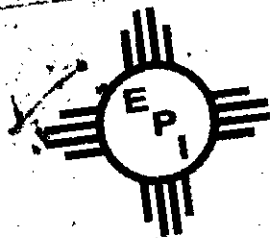
EUNICE, NEW MEXICO 88231

No

229

COMPANY NAME WARREN Petroleum COMPANY
COMPANY REPRESENTATIVE NAME DEWAYNE PARKER
LEASE NAME _____
SEC. - TOWNSHIP - RANGE OR LOCATION SECS TW215 R37E
TRUCKING COMPANY NAME Colburn Company
DRIVER'S SIGNATURE Kirt Tyree #11
TYPE OF MATERIAL AND QUANTITY CONTAMINATED SOIL 2 loads at 24 yards
EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒
OTHER _____ EXPLAIN _____
COPY OF ANALYSIS ATTACHED: YES _____ NO ☒
CELL NO. 4
COMMENTS: CONTAMINATED SOIL FROM PIPELINE LEAK

NAME OF ATTENDANT ON DUTY Bogus Boone
DATE ACCEPTED 11-26-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

EUNICE, NEW MEXICO 88231

No

228

COMPANY NAME WARREN Petroleum COMPANY

COMPANY REPRESENTATIVE NAME DEWAYNE PARKER

LEASE NAME

SEC. - TOWNSHIP - RANGE OR LOCATION SEC 5 TW 21S R 37E

TRUCKING COMPANY NAME Colburn COMPANY

DRIVER'S SIGNATURE Santiago N. Rojas # 14

TYPE OF MATERIAL AND QUANTITY Contaminated soil 3 loads at 12 36 yards

EXEMPT WASTE FROM OIL & GAS PRODUCTION

OTHER

EXPLAIN

COPY OF ANALYSIS ATTACHED: YES

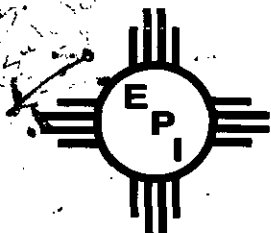
NO ☒

CELL NO. 4

COMMENTS: Contaminated soil from pipeline leak

NAME OF ATTENDANT ON DUTY Roger Brown

DATE ACCEPTED 11-26-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

EUNICE, NEW MEXICO 88231

Nº 227

COMPANY NAME WARREN Petroleum Company

COMPANY REPRESENTATIVE NAME DEWAYNE PARKER

LEASE NAME _____

SEC. - TOWNSHIP - RANGE OR LOCATION SEC 5 TW 21S R 37E

TRUCKING COMPANY NAME Colburn

DRIVER'S SIGNATURE K. T. Tyson #11 5 loads

TYPE OF MATERIAL AND QUANTITY Contaminated soil 5 loads at 12 yards 60 yards

EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒

OTHER _____ EXPLAIN _____

COPY OF ANALYSIS ATTACHED: YES _____ NO ☒

CELL NO. 4

COMMENTS: Contaminated soil from pipeline leak
Free 5-11-97

NAME OF ATTENDANT ON DUTY Roger Boone

DATE ACCEPTED 11-25-97



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM

PHONE (505) 394-3481

P.O. BOX 969

EUNICE, NEW MEXICO 88231

Nº

226

COMPANY NAME WARREN Petroleum Company

COMPANY REPRESENTATIVE NAME Dewayne Parker

LEASE NAME SEC 5 TW21S R37E

SEC. - TOWNSHIP - RANGE OR LOCATION SEC 5 TW21S R37E

TRUCKING COMPANY NAME Colburn Company

DRIVER'S SIGNATURE Barbara H. Rogers

TYPE OF MATERIAL AND QUANTITY CONTAMINATED SOIL 4 loads 12 yard 48 yards

EXEMPT WASTE FROM OIL & GAS PRODUCTION ☒

OTHER

EXPLAIN

COPY OF ANALYSIS ATTACHED: YES ☐ NO ☒

CELL NO. 4

COMMENTS:

NAME OF ATTENDANT ON DUTY Roger Boone

DATE ACCEPTED 11-25-97

E. P. I., INC.

CERTIFICATE OF WASTE STATUS

EXEMPT WASTE MATERIAL

Originating Location: SEC 5 TW 21S R 37E

Source: pipe line leak

Disposal Location: EPI LAND Farm 3 miles south of Eunice
on Highway 18

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency's (EPA).

The wastes are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C regulations; and not mixed with non-exempt wastes.

I, the undersigned as the agent for Warren Petroleum
concur with the status of the waste from the subject site.

Name Cameron Spitzer
Title/Agency Field Operator
Address 3/4 South of Eunice
Eunice, N.M.
Signature Cameron R. Spitzer
Date 11-26-97

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

Energy Minerals and Natural Resources Department

Oil Conservation Division

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

Originated 8/8/95

Submit Origin
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>	4. Generator <u>Warren Petroleum</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>SECS T 215 R 326</u>
2. Management Facility Destination <u>EPI LAND FARM</u>	6. Transporter <u>Colburn Company</u>
3. Address of Facility Operator <u>Box 970 Eunice NM 88231</u>	8. State <u>NM</u>
7. Location of Material (Street Address or ULSTR)	
9. <u>Circle One</u> : (A) All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

Contaminated soil by request of Dewayne Parker

Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Roger Boone TITLE: Safety & Environmental DATE: 11-26-97
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Roger Boone TELEPHONE NO. 505-344-2588

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: _____ TITLE: _____ DATE: _____

PAYEE		PAYEE NO.	CHECK NO.	DATE	
ENVIRONMENTAL PLUS INC		93211	56283	05 / 06 / 98	
VOUCHER	VENDOR INVOICE #	INVOICE DATE	TOTAL AMOUNT	PRIOR PAYMENTS	NET AMOUNT
05-AP-23401	10298	01/12/98	26,152.52	0.00	26,152.52
ACCT					
TOTAL INVOICES PAID					26,152.52

*Received
5-11-98*

Dynegy Midstream Services, Limited Partnership
6 Desta Drive, Suite 3300
Midland, Texas 79705
Phone 915.688.0555
Fax 915.688.0552
www.dynegy.com

RECEIVED

MAR 12 1999

Environmental Bureau
Oil Conservation Division



DYNEGY

New Mexico Oil Conservation Division
District 1, Hobbs
PO Box 1980
Hobbs, NM 88241

Attn: Mr. Wayne Price, Environmental Engineer

March 11, 1999

RE: Site closure, Eunice gathering system release

Dear Mr. Price:

Please find attached a C-141 checked final report. Also attached is a copy of our initial C-141 and the correspondence for the remedial and clean-up action taken by Warren Petroleum / Dynegy. After the initial report was submitted and Warren began vertical extent investigation it became obvious that the leak had been active for quite sometime before liquids came to the surface and the leak was detected; therefore, the initial volume of release (19 bbls) only represented what was observed on the surface at the time (November 17, 1997). On the final report C-141 the volume of release box is empty because we have no way to estimate the actual volume due to these circumstances.

Dynegy representatives have met with the landowner, Mr. Robert McCasland and have restored the site to his satisfaction.

Dynegy has removed 1080 yards of soil for remediation to E. P. I. Landfarm Eunice New Mexico, and backfilled the site with clean soil purchased from the landowner. Find attached photos taken of the liner installation.

Dynegy requests closure from NMOCD in view of meeting the conditions of closure described by your correspondence.

If you have any questions please contact me at 6 Desta Drive Suite 3300, Midland, TX 79705 or call (915) 688-0542.

Sincerely,

Cal Wrangham

Cal Wrangham
ES&H Advisor
Permian Basin Region

Cc:
Mike Hicks
Russell Dykes
Jerry Parr

3/29/99
DISCUSSED WITH CAL
OCD WLL REQUEST

1. MW PLUGGING PROCEDURES
2. DISPOSAL TIEHETS
3. PERMANENT MONITORING

* NEED ADDITIONAL
MONITORING! (2 wells recovered?)

* NEED DISPOSAL
TIEHETS - FOR EXTRA
SOIL

* MUST MAKE
ARBA permanent marker:

* NEED SUMMARY
OF THE CONTAMINANT
REMOVING!

(2-0 feet view
in isolation)

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

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

Form C- 141
Originated 2/13/97

Submit 2 copies to
Appropriate District
Office in accordance
with Rule 116 on
back side of form

Release Notification and Corrective Action

OPERATOR

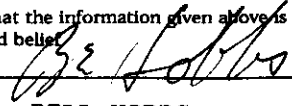
☒ Initial Report ☐ Final Report

Name WARREN PETROLEUM CO. LP.		Contact BILL HOBBS	
Address PO BOX 1909 EUNICE, NM 88231		Telephone No. 394-2534	
Facility Name EUNICE PLANT		Facility Type NATURAL GAS PROCESSING PLANT	
Surface Owner		Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter M	Section 31	Township 20S	Range 38E	Feet from the	North/South Line	Feet from the	East/West Line	Count LEA
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------------

NATURE OF RELEASE

Type of Release NATURAL GAS PIPELINE LIQUIDS		Volume of Release 19 BBLs		Volume Recovered 16 BBLs	
Source of Release NATURAL GAS PIPELINE		Date and Hour of Occurrence NOV 14, 1997 2:00PM		Date and Hour of Discovery SAME	
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required		If YES, To Whom?			
By Whom?		Date and Hour			
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*					
Describe Cause of Problem and Remedial Action Taken.* PIPELINE LEAK DUE TO EXTERNAL CORROSION. SHUT-IN LINE AND CONTRACTED VACUMN TRUCK TO RECOVER FREE LIQUID.					
Describe Area Affected and Cleanup Action Taken.* AFFECTED AREA IS A STRIP 6 FEET WIDE AND APPROXIMATELY 100 YARDS LONG. VACUMNED UP FREE LIQUID FROM STRIP, AND AFTER PIPELINE WAS EXCAVATED AN ADDITIONAL AMOUNT OF LIQUIDS FROM THE LINE WAS RECOVERED UNDER CONTROLLED CONDITIONS.					
Describe General Conditions Prevailing (Temperature, Precipitation, etc.).* DRY AND WARM					
I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION			
Printed Name: BILL HOBBS		Approved by District Supervisor:			
Title: PLANT SUPERINTENDENT		Approval Date:		Expiration Date:	
Date: NOV. 14, 1997		Phone: 394-2534		Conditions of Approval: Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

**WARREN PETROLEUM COMPANY,**

Limited Partnership

An NGC Company

June 4, 1998

New Mexico Energy, Minerals and Natural Resources Department,
Oil Conservation Division
1000 West Broadway
Hobbs, New Mexico 88240

Attn.: Mr. Wayne Price, Environmental Engineer

RE: Closure request for Eunice, New Mexico gathering system release, November 14, 1997

Dear Mr. Price:

Please find attached the report titled "Eunice, New Mexico Gathering System Release - Data Summary and Closure Request" prepared by Warren Petroleum. Warren is requesting closure of the site at Eunice and permission to backfill the excavation. We would be happy to meet with you in Hobbs at your convenience to discuss the situation regarding the release. Please contact me at (713)767-0072 if you have any questions or need additional information. We will await your response to this request for closure. Thank you.

Sincerely,

Russell S. Dykes, P.E., DEE
Senior Environmental Engineer

c: Wayne Banks
J.D. Morris
Mike Hicks

enclosure

Eunice, New Mexico gathering system release

Data Summary and Closure Request

Introduction

This report summarizes the investigation conducted to date at the site of a release on Warren Petroleum Company's natural gas gathering system near Eunice, New Mexico. The release occurred on November 14, 1997 as a result of external corrosion of a 12-inch diameter gas line. The release location is approximately 1/4 mile north of Monument Draw in Section 31 Township 20S Range 38E between Eunice and Hobbs in Lea County, New Mexico.

Warren filed a Release Notification and Corrective Action form with the New Mexico OCD on November 14, 1997 (See Appendix B). It was estimated that approximately 19 barrels of condensate were released, of which approximately 16 barrels were recovered. Excess released condensate was vacuumed up from the ground surface. Excavation beneath the release location was conducted to remove affected soil and recover liquids which migrated downward. Soil samples were collected from the excavation at various depths on several dates between mid-December 1997 and mid-March 1998. These samples were collected in an effort to define the lower extent of contaminated soil resulting from the release. Table 1 summarizes the analytical data collected to date from the release location. Copies of the laboratory reports for these soil samples are contained in Appendix A.

Table 1
Summary of Soil Analytical Results - Eunice Release Site

Sample Date	Sample ID	Sample Depth (ft)	TPH (mg/Kg)	Benzene (mg/Kg)
12/11/97	H3370-1	7	46,100	NA
12/22/97	H3387-1	35	387	NA
1/07/98	H3400-1	Composite @ 7'	17,100	1.77
1/07/98	H3400-2		23,600	1.71
2/05/98	H3447-1	20	107,000	11.53
2/05/98	H3447-2	25	110,000	9.66
2/05/98	H3447-3	32	43,900	5.02
2/05/98	H3447-4	36	8,050	0.07
3/25/98	H3530-1	40	12,000	0.056
3/25/98	H3530-2	42	16,900	0.343
4/20/98	H3590-1	40' (boring) 10' downgradient from excavation	ND	ND
4/20/98	H3590-2	65' (boring) at water table 10' downgradient from excavation	83	ND

Each of the sampling events conducted over the past six months at the site is described briefly below.

December 11, 1997

Warren personnel collected a shallow sample (7 feet) along the ramp down into the deeper segment of the excavation. The sample was collected with a post-hole digger.

December 22, 1997

Sample collected from material placed at the surface by the excavator. Sample collected from the bottom of the excavation at that date (35 feet).

January 7, 1998

Warren personnel collected a composite sample from several locations around the periphery of the excavation. Sample aliquots collected with a post-hole digger.

February 5, 1998

After the excavation had been advanced to approximately 36 feet, samples were collected from various intervals stockpiled at the surface.

March 25, 1998

This sampling event was associated with excavation to 42' bgs in an effort to define the extent of vertical soil contamination. A tracked excavator was once again used to advance the excavation to its current depth of 42 feet bgs. This depth is the extent to which the excavation equipment can reach, without expanding the horizontal extent of the hole. Soil was removed from the bottom and sides of the excavation and was placed on the ground surface in a stockpile from which the samples were collected. Because of the limited maneuverability of the excavator bucket at this depth (the arm was at its maximum extension), the soil placed in the stockpile apparently contained some material which was inadvertently removed from shallower depths (when the bucket was withdrawn) which contained higher petroleum concentrations. The sample results from these depths thus are probably not representative of the actual petroleum contamination at 40 to 42 feet bgs.

April 20, 1998

On this date, two soil borings were advanced to the water table to the east and southeast of the current excavation. The intent was to define the lower limit of soil contamination and to determine if petroleum contamination from the release had affected soil and/or groundwater downgradient of the release. Both borings were placed approximately 10 feet outside the limits of the current excavation. Both borings were advanced using an air rotary drill rig by Scarborough Drilling of Lamesa, Texas. Each boring was advanced to

the water table (as evidenced by saturated soil samples). Soil samples were collected using split spoons. The soil samples were all screened using an MSA Passport[®] PID Organic Vapor Monitor. Soil samples were selected only from the second of the two borings for analysis of TPH and BTEX. Neither boring exhibited any detectable organic vapors. The analytical results of the soil sample collected at the water table exhibits TPH concentrations below the New Mexico OCD action level for soil (1000 mg/Kg). ?

Summary of Investigation Results

The data from the various sampling events presented above indicates that soils at the release location have been impacted from petroleum condensate released from the Warren Petroleum Company's Eunice gathering system on November 14, 1997. The potential for groundwater impact was addressed by removing approximately 120 yards of soil from the release location between November 14, 1997 and March 25, 1998. This material was removed and disposed of at the B&H Construction Co. Landfill. It was not physically possible to remove some of the contaminated soil from the excavation due to the depths reached.

Data collected from the two downgradient borings placed on April 20, 1997 indicates that soils both above and at the water table (65 feet bgs) ten feet downgradient from the edge of the excavation have not been significantly impacted by petroleum. Additionally, this data indicates that no detectable benzene impact has occurred in these soils.

Since the extent of vertical contamination above the New Mexico action levels for soils has been defined, the bulk of the source material has been removed and the remaining petroleum contaminated soils have not significantly impacted soils and groundwater outside the limits of the excavation, Warren requests permission from the OCD to backfill the excavation and close the case at the site.

Appendix A

Copies of Laboratory Results for Eunice, New Mexico Release Site

**ARDINAL**
LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ARLINE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WARREN PETROLEUM CO.
ATTN: WAYNE BANKS
P.O. BOX 1840Receiving Date: 12/11/97
Reporting Date: 12/12/97
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Sample ID: BELL HOLE @ APPROX. 7'
Lab Number: H3370-1LOVINGTON, NM 88260
FAX TO: 505-396-2907Analysis Date: 12/11/97
Sampling Date: NOT GIVEN
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

EPA 8015M - (mg/Kg)	Sample Result H3370-1	Method Blank	True Value		
			QC	%IA	QC
C-8 n-Octane	540	<1.0	98.6	99	100
C-9 n-Nonane	652	<1.0	102	102	100
C-10 n-Decane	523	<1.0	103	103	100
C-11 n-Undecane	457	<1.0	106	106	100
C-12 n-Dodecane	373	<1.0	105	105	100
C-13 n-Tridecane	427	<1.0	92.2	92	100
C-14 n-Tetradecane	461	<1.0	93.6	94	100
C-15 n-Pentadecane	457	<1.0	94.2	94	100
C-16 n-Hexadecane	437	<1.0	111	111	100
C-17 n-Heptadecane	484	<1.0	114	114	100
C-18 n-Octadecane	424	<1.0	110	110	100
C-19 n-Nonadecane	375	<1.0	108	108	100
C-20 n-Eicosane	294	<1.0	110	110	100
C-21 n-Heneicosane	245	<1.0	115	115	100
C-22 n-Docosane	215	<1.0	113	113	100
C-23 n-Tricosane	177	<1.0	117	117	100
C-24 n-Tetracosane	162	<1.0	109	109	100
C-25 n-Pentacosane	157	<1.0	115	115	100
C-26 n-Hexacosane	134	<1.0	113	113	100
C-27 n-Heptacosane	125	<1.0	113	113	100
C-28 n-Octacosane	115	<1.0	117	117	100
Total n-Alkanes	7200	<1.0	2260	108	2100
Diesel Range Organics (TPH by 8015 mod.)	46100	<25			

METHOD: EPA SW 846-8015 M (gc/ms)

Wayne Banks
Chemist12/12/97
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be claims waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or third parties out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79601

PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WARREN PETROLEUM CO.
ATTN: CAL WRANGHAM
P.O. BOX 1840
LOVINGTON, NM 88260
FAX TO:

Receiving Date: 12/22/97
Reporting Date: 12/24/97
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: EUNICE FIELD

Analysis Date: 12/23/97
Sampling Date: 12/22/97
Sample Type: SOIL
Sample Condition: COOL, INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER SAMPLE ID TPH
(mg/Kg)

H3387-1	-	387
Quality Control		191
True Value QC		200
% Recovery		95.5
Relative Percent Difference		3.1

Approx.
35'

METHOD: EPA 418.1, 3510, 3540, or 3550; Infrared Spectroscopy


Chemist


Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or licensees arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



**ARDINAL
LABORATORIES**

PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**ANALYTICAL RESULTS FOR
WARREN PETROLEUM CO.
ATTN: WAYNE BANKS
P.O. BOX 1840
LOVINGTON, NM 88261
FAX TO: 505-398-2907**

*Composite
TAKEN
at 7'*

Receiving Date: 01/07/98
Reporting Date: 01/09/98
Project Number: NOT GIVEN
Project Name: EUNICE GATHERING
Project Location: EUNICE, NM

Sampling Date: 01/07/98
Sample Type: SOIL
Sample Condition: COOL, INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		01/07/98	01/07/98	01/07/98	01/07/98	01/07/98
H3400-1	#1	17100	1.77	18.87	17.13	36.38
H3400-2	#2	23800	1.71	28.42	22.41	47.49
Quality Control		198	0.100	0.105	0.102	0.305
True Value QC		200	0.100	0.100	0.100	0.300
% Recovery		98.2	100	105	102	102
Relative Percent Difference		2.8	0.6	3.8	2.9	2.0

METHODS: TRPHC - EPA 800/7-79-020, 418.1; BTEX - EPA SW-846-8280

Burgess J. A. Cope
Burgess J. A. Cope, Ph. D.

1/9/98
Date

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ANALYTICAL RESULTS FOR
WARREN PETROLEUM CORP.
ATTN: WAYNE BANKS
P.O. BOX 1840
LOVINGTON, NM 88260
FAX TO: 505-396-2907

Receiving Date: 02/05/98
Reporting Date: 02/06/98
Project Number: NOT GIVEN
Project Name: EUNICE PIPELINE LEAK
Project Location: NOT GIVEN

Sampling Date: 02/05/98
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		02/06/98	02/05/98	02/05/98	02/05/98	02/05/98
H3447-1	20' SAMPLE	107000	11.53	295.35	25.34	54.36
H3447-2	25' SAMPLE	110000	9.66	85.81	85.78	230.72
H3447-3	32' SAMPLE	43900	5.02	48.78	36.85	76.560
H3447-4	38' SAMPLE	8050	0.07	1.06	1.35	3.23
Quality Control		203	0.102	0.104	0.102	0.306
True Value QC		200	0.100	0.100	0.100	0.300
% Recovery		102	102	104	102	102
Relative Percent Difference		3.6	2.7	2.2	1.4	0.9

METHODS: TRPHC - EPA 600/7-79-020, 418.1; BTEX - EPA SW-846-8260


Burgess J. A. Cooke, Ph. D.

Date

H3447.XLS



ARDINAL LABORATORIES

PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (806) 393-2326 • 101 E. MARLAND • HOBBBS, NM 88240

**ANALYTICAL RESULTS FOR
WARREN PETROLEUM CO.
ATTN: WAYNE BANKS
P.O. BOX 1840
LOVINGTON, NM 88260
FAX TO: 505-384-2907**

Receiving Date: 03/25/98
Reporting Date: 03/27/98
Project Number: NOT GIVEN
Project Name: EUNICE SPILL
Project Location: NOT GIVEN
Sample ID: 40' DEPTH
Lab Number: H3530-1

Analysis Date: 03/26/98
Sampling Date: 03/25/98
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

EPA 8015M - (mg/Kg)	Sample Result H3530-1	Method Blank	QC	%IA	True Value QC
C-8 n-Octane	<1.0	<1.0	107	107	100
C-9 n-Nonane	16.6	<1.0	108	108	100
C-10 n-Decane	24.5	<1.0	108	108	100
C-11 n-Undecane	33.9	<1.0	113	113	100
C-12 n-Dodecane	41.0	<1.0	109	109	100
C-13 n-Tridecane	52.1	<1.0	115	115	100
C-14 n-Tetradecane	74.9	<1.0	101	101	100
C-15 n-Pentadecane	84.3	<1.0	106	106	100
C-16 n-Hexadecane	60.4	<1.0	98.6	99	100
C-17 n-Heptadecane	60.4	<1.0	94.1	94	100
C-18 n-Octadecane	48.1	<1.0	85.9	88	100
C-19 n-Nonadecane	48.3	<1.0	90.4	90	100
C-20 n-Eicosane	50.8	<1.0	88.6	90	100
C-21 n-Heneicosane	39.0	<1.0	84.8	85	100
C-22 n-Docosane	34.3	<1.0	80.2	80	100
C-23 n-Tricosane	23.9	<1.0	95.1	96	100
C-24 n-Tetracosane	35.1	<1.0	98.1	98	100
C-25 n-Pentacosane	37.1	<1.0	91.8	92	100
C-26 n-Hexacosane	32.7	<1.0	88.2	88	100
C-27 n-Heptacosane	25.1	<1.0	83.6	84	100
C-28 n-Octacosane	22.7	<1.0	82.6	83	100
Total n-Alkanes	825	<1.0	2030	87	2100
Diesel Range Organics	12000	<10			

METHOD: EPA SW 846-8015 M (g/ms)

Daig...
Chemist

3/27/98
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, whether for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated remedies or otherwise.

**CARDINAL
LABORATORIES**

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PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

**ANALYTICAL RESULTS FOR
WARREN PETROLEUM CO.
ATTN: WAYNE BANKS
P.O. BOX 1840**

Receiving Date: 03/25/98

Reporting Date: 03/27/98

Project Number: NOT GIVEN

Project Name: EUNICE SPILL

Project Location: NOT GIVEN

Sample ID: 42 DEPTH

Lab Number: H3530-2

LOVINGTON, NM 88260
FAX TO: 505-394-2907

Analysis Date: 03/26/98

Sampling Date: 03/25/98

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

EPA 8015M - (mg/Kg)	Sample Result H3530-2	Method Blank	True Value		
			QC	%A	QC
C-8 n-Octane	18.6	<1.0	107	107	100
C-9 n-Nonane	22.7	<1.0	108	108	100
C-10 n-Decane	38.6	<1.0	108	108	100
C-11 n-Undecane	62.4	<1.0	113	113	100
C-12 n-Dodecane	86.9	<1.0	109	109	100
C-13 n-Tridecane	128	<1.0	115	115	100
C-14 n-Tetradecane	128	<1.0	101	101	100
C-15 n-Pentadecane	110	<1.0	108	108	100
C-16 n-Hexadecane	104	<1.0	88.8	89	100
C-17 n-Heptadecane	97.8	<1.0	84.1	84	100
C-18 n-Octadecane	59.3	<1.0	85.8	86	100
C-19 n-Nonadecane	72.0	<1.0	80.4	80	100
C-20 n-Eicosane	53.0	<1.0	88.8	90	100
C-21 n-Heneicosane	42.4	<1.0	84.8	85	100
C-22 n-Docosane	38.6	<1.0	80.2	80	100
C-23 n-Tricosane	23.8	<1.0	85.1	85	100
C-24 n-Tetracosane	41.6	<1.0	88.1	88	100
C-25 n-Pentacosane	40.8	<1.0	91.8	92	100
C-26 n-Hexacosane	35.2	<1.0	88.2	88	100
C-27 n-Heptacosane	34.6	<1.0	83.8	84	100
C-28 n-Octacosane	28.0	<1.0	82.6	83	100
Total n-Alkanes	1256	<1.0	2030	87	2100
Diesel Range Organics	18900	<10			

METHOD: EPA SW 846-8015 M (gc/ms)

Burgess R. Corbe
Chemist

3/27/98
Date

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PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2328 • 101 E. MARLAND • MOSBY, NM 88240

**ANALYTICAL RESULTS FOR
WARREN PETROLEUM CO.
ATTN: WAYNE BANKS
P.O. BOX 1840
LOVINGTON, NM 88260
FAX TO: 505-394-2907**

Receiving Date: 03/25/98
Reporting Date: 03/27/98
Project Number: NOT GIVEN
Project Name: EUNICE SPILL
Project Location: NOT GIVEN

Sampling Date: 03/25/98
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		03/25/98	03/25/98	03/25/98	03/25/98
H3530-1	40' DEPTH	0.056	1.96	3.31	8.27
H3530-2	42' DEPTH	0.343	4.82	5.54	12.67
Quality Control		0.102	0.100	0.088	0.287
True Value QC		0.100	0.100	0.100	0.300
% Accuracy		102	99.8	98.2	99.0
Relative Percent Difference		1.7	4.4	3.4	2.9

METHOD: EPA SW 846-8260

Wayne Banks
Chemist

3/27/98
Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WARREN PETROLEUM CO.
ATTN: WAYNE BANKS
P.O. BOX 1909
EUNICE, NM 88231
FAX TO:

Receiving Date: 04/20/98
Reporting Date: 04/27/98
Project Number: NOT GIVEN
Project Name: EUNICE SPILL
Project Location: EUNICE PLANT
Sample ID: 40' DEPTH
Lab Number: H3590-1

Analysis Date: 04/26/98
Sampling Date: 04/20/98
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

EPA 8015M - (mg/Kg)	Sample Result H3590-1	Method Blank	True Value		
			QC	%IA	QC
C-8 n-Octane	<1.0	<1.0	91.5	92	100
C-9 n-Nonane	<1.0	<1.0	93.5	94	100
C-10 n-Decane	<1.0	<1.0	93.7	94	100
C-11 n-Undecane	<1.0	<1.0	90.2	90	100
C-12 n-Dodecane	<1.0	<1.0	91.9	92	100
C-13 n-Tridecane	<1.0	<1.0	96.4	96	100
C-14 n-Tetradecane	<1.0	<1.0	98.2	98	100
C-15 n-Pentadecane	<1.0	<1.0	95.6	96	100
C-16 n-Hexadecane	<1.0	<1.0	95.4	95	100
C-17 n-Heptadecane	<1.0	<1.0	98.0	98	100
C-18 n-Octadecane	<1.0	<1.0	95.0	95	100
C-19 n-Nonadecane	<1.0	<1.0	95.8	96	100
C-20 n-Eicosane	<1.0	<1.0	93.6	94	100
C-21 n-Heneicosane	<1.0	<1.0	98.0	98	100
C-22 n-Docosane	<1.0	<1.0	97.0	97	100
C-23 n-Tricosane	<1.0	<1.0	97.6	98	100
C-24 n-Tetracosane	<1.0	<1.0	89.1	89	100
C-25 n-Pentacosane	<1.0	<1.0	88.1	88	100
C-26 n-Hexacosane	<1.0	<1.0	88.9	87	100
C-27 n-Heptacosane	<1.0	<1.0	88.0	88	100
C-28 n-Octacosane	<1.0	<1.0	90.2	90	100
Total n-Alkanes	<1.0	<1.0		0	2100
Diesel Range Organics					

METHOD: EPA SW 846-8015 M (gc/ms)

Burjess P. Ashi
Chemist

4/27/98
Date

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MAY- 4-98 MON 10:38



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PHONE (505) 393-2326 • 101 E MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WARREN PETROLEUM CO.
ATTN: WAYNE BANKS
P.O. BOX 1909
EUNICE, NM 88231
FAX TO:

Receiving Date: 04/20/98
Reporting Date: 04/27/98
Project Number: NOT GIVEN
Project Name: EUNICE SPILL
Project Location: EUNICE PLANT
Sample ID: 65' DEPTH
Lab Number: H3590-2

Analysis Date: 04/26/98
Sampling Date: 04/20/98
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

EPA 8015M - (mg/Kg) Sample Result Method QC %IA True Value
H3590-2 Blank QC %IA QC

C-8 n-Octane	<1.0	<1.0	91.5	92	100
C-9 n-Nonane	<1.0	<1.0	93.5	94	100
C-10 n-Decane	<1.0	<1.0	93.7	94	100
C-11 n-Undecane	<1.0	<1.0	90.2	90	100
C-12 n-Dodecane	<1.0	<1.0	91.8	92	100
C-13 n-Tridecane	<1.0	<1.0	96.4	96	100
C-14 n-Tetradecane	<1.0	<1.0	98.2	98	100
C-15 n-Pentadecane	1.1	<1.0	95.8	96	100
C-16 n-Hexadecane	1.8	<1.0	95.4	95	100
C-17 n-Heptadecane	2.2	<1.0	98.0	98	100
C-18 n-Octadecane	1.5	<1.0	95.0	95	100
C-19 n-Nonadecane	2.1	<1.0	95.8	96	100
C-20 n-Eicosane	1.8	<1.0	93.6	94	100
C-21 n-Heneicosane	1.5	<1.0	98.0	98	100
C-22 n-Docosane	1.9	<1.0	97.0	97	100
C-23 n-Tricosane	1.2	<1.0	97.6	98	100
C-24 n-Tetracosane	1.8	<1.0	89.1	89	100
C-25 n-Pentacosane	1.4	<1.0	88.1	88	100
C-26 n-Hexacosane	1.5	<1.0	88.8	87	100
C-27 n-Heptacosane	1.2	<1.0	88.0	88	100
C-28 n-Octacosane	1.1	<1.0	90.2	90	100
Total n-Alkanes	22.0	<1.0	1984	94	2100
Diesel Range Organics	83.4	<50			

METHOD: EPA SW 846-8015 M (gc/ms)

Burgess A. Cuth
Chemist

4/27/98
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims resulting from negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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PHONE (805) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WARREN PETROLEUM CO.
ATTN: WAYNE BANKS
P.O. BOX 1909
EUNICE, NM 88231
FAX TO:

Receiving Date: 04/20/98
Reporting Date: 04/22/98
Project Number: NOT GIVEN
Project Name: EUNICE SPILL
Project Location: EUNICE PLANT

Sampling Date: 04/20/98
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE		04/20/98	04/20/98	04/20/98	04/20/98
H3590-1	40' DEPTH	<0.002	<0.002	<0.002	<0.006
H3590-2	65' DEPTH	<0.002	<0.002	<0.002	<0.006
Quality Control		0.103	0.094	0.096	0.291
True Value QC		0.100	0.100	0.100	0.300
% Accuracy		103	93.9	95.7	97.0
Relative Percent Difference		4.9	3.2	5.3	4.4

METHOD: EPA 6W 846-8020, 5030, Gas Chromatography

B. J. [Signature]
Chemist

4/22/98
Date

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Appendix B

**Copy of Release Notification and Corrective Action Form
filed November 14, 1997**

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name WARREN PETROLEUM CO. LP.		Contact BILL BOBBS
Address PO BOX 1909 EUNICE, NM 88231		Telephone No. 394-2534
Facility Name EUNICE PLANT		Facility Type NATURAL GAS PROCESSING PLANT
Surface Owner	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter M	Section 31	Township 20S	Range 38E	Feet from the North/South Line	Feet from the East/West Line	County LEA
------------------	---------------	-----------------	--------------	-----------------------------------	---------------------------------	---------------

NATURE OF RELEASE

Type of Release NATURAL GAS PIPELINE LIQUIDS	Volume of Release 19 BBLs	Volume Recovered 16 BBLs
Source of Release NATURAL GAS PIPELINE	Date and Hour of Occurrence NOV 14, 1997 2:00PM	Date and Hour of Discovery SAME
Was immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impinging the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* PIPELINE LEAK DUE TO EXTERNAL CORROSION. SHUT-IN LINE AND CONTRACTED VACUUM TRUCK TO RECOVER FREE LIQUID.		
Describe Area Affected and Cleanup Action Taken.* AFFECTED AREA IS A STRIP 6 FEET WIDE AND APPROXIMATELY 100 YARDS LONG. VACUUMED UP FREE LIQUID FROM STRIP, AND AFTER PIPELINE WAS EXCAVATED AN ADDITIONAL AMOUNT OF LIQUIDS FROM THE LINE WAS RECOVERED UNDER CONTROLLED CONDITIONS.		
Describe General Conditions Prevailing (Temperature, Precipitation, etc.).* DRY AND WARM		
I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Bill Bobbs</i> Printed Name: BILL BOBBS		OIL CONSERVATION DIVISION
Approved by District Supervisor:		Approval Date:
Title: PLANT SUPERINTENDENT		Expiration Date:
Date: NOV 14, 1997	Phone: 394-2534	Conditions of Approval:
Attach Additional Sheets If Necessary		Attached <input type="checkbox"/>



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
DISTRICT I HOBBBS
P.O. BOX 1980, Hobbs, NM 88241
(505) 393-6161
FAX (505) 393-0720

Jennifer A. Salisbury
CABINET SECRETARY

July 31, 1998

Russell S. Dykes
Warren Petroleum Co. (WPC)
1000 Louisiana Suite 5800
Houston, Texas 77002-5050

Re: Closure request for Eunice, New Mexico gathering system release, November 14, 1997.

Dear Mr. Dykes:

New Mexico Oil Conservation Division (NMOCD) is in receipt of the above referenced Closure request. NMOCD has reviewed your closure request and hereby denies your Closure request at this time. The NMOCD has the following comments and conditions:

1. WPC may begin backfilling the excavated areas per your request. If WPC uses anything other than clean soil WPC will have to obtain NMOCD approval.
2. NMOCD has noted that WPC indicates that only 3 barrels of gas condensate was actually left in the soil. After performing some basic "API" residue saturation calculations this value is not consistent with the amount indicated. This might be an indication this line has leaked in the past.

It appears that WPC has not defined the vertical extent in the source area below the pipeline. There is submitted evidence that groundwater might have been impacted. This was reflected in submitted analyticals indicating organics in the capillary fringe of a down gradient soil boring. If WPC chooses to close the hole, then **WPC will be required to install one monitor well in the source area.** This well shall be drilled, installed, constructed, completed, developed and sampled per NMOCD approval. Please give NMOCD 48 hours notice before commencing work.

WPC will be required to sample the water for BTEX (EPA 8020) initially to determine if groundwater has been impacted. WPC shall use EPA protocols. **Please note if Groundwater is determined to be impacted you must notify the NMOCD Environmental Bureau and this office within 24 hours of discovery and written notification pursuant to NMOCD rule 116.**

3. NMOCD will require information on how the two soil borings were closed. Please provide. ✓ OK
4. WPC must address the issue for the remaining contaminants due to the close proximity of groundwater. ← ?
5. WPC shall provide to NMOCD documentation on all soils disposed of off-site. — ?

WPC has 60 days from receipt of this letter to perform the above functions. If you require any further information or assistance please do not hesitate to call (505-393-6161) or write this office.

Sincerely Yours,

Wayne Price-Environmental Engineer

cc: Chris Williams-NMOCD District I Supervisor
Bill Olson-Environmental Bureau, Santa Fe, NM

File: wp98/warrleak

AUG 3 1998

Environmental

Dynegy Midstream Services, Limited Partnership
1000 Louisiana Street, Suite 5800
Houston, Texas 77002
Phone 713.507.6400
www.dynegy.com

September 4, 1998

New Mexico Oil Conservation Division
District 1, Hobbs
P.O. Box 1980
Hobbs, New Mexico 88241



Attn.: Mr. Wayne Price, Environmental Engineer

RE: Action plan for site closure, Eunice gathering system release, Lea County, NM

Dear Mr. Price:

We are in receipt of your correspondence dated July 31, 1998 regarding our previous request for site closure. Since the time of our original correspondence, the name of our organization has changed from Warren Petroleum Company, LP to Dynegy Midstream Services, LP. Please change any records you may have to reflect our new name.

In response to the referenced correspondence, Dynegy proposes the following actions, subject to OCD approval. Each item below corresponds to the like-numbered item in the referenced correspondence:

1. The excavation will be backfilled with clean soil. A solid casing will be placed in the backfill below the location of the line leak to facilitate installation of a monitoring well. The backfill will initially be completed at approximately 4 feet below the surrounding grade.
2. A boring will be advanced through the casing and the undisturbed soil below the bottom of the excavation to define the vertical extent of soil contamination. Undisturbed soil samples will be collected every five feet from the bottom of the existing excavation to the water table. These samples will be analyzed for TPH by EPA Method 8015 modified. The boring will be terminated ten feet below the water table. Upon completion of the boring, a 2" diameter monitoring well will be installed with ten feet of .020" screen (placed from two feet above to eight feet below the water table) and solid casing to the top of the backfill. The well will have threaded casing, a sand pack around the screen (placed from two feet below to three feet above the top of the screen) and cement bentonite grout from the top of the sand pack to the ground surface (top of backfill). The well will be developed and sampled within twenty four hours of installation. A single sample will be analyzed for BTEX by EPA Method 8020. The results of the sampling will be reported to the OCD when they become available from the laboratory.

Mr. Wayne Price

September 4, 1998

Page 2

3. As a matter of information, the two soil borings mentioned in our previous correspondence were abandoned by backfilling with cement bentonite grout from the bottom of the boring to ground surface. ✓ OK
4. The contaminated soil remaining below grade will be left in place. After the results of the groundwater sample are available, the well will either be abandoned (if the results show no groundwater contamination above applicable regulatory limits) or left in place. A 20 mil plastic liner will be placed at the top of the backfill (overlapping the horizontal extent of contaminated soil left in place) and the remaining four feet of backfill will be placed in the excavation, bringing the excavation up to surrounding grade. The well will be completed at the final level of the backfilled excavation. The liner will prevent rainfall from migrating downward through the remaining contaminated soil and leaching petroleum components to groundwater.

A report documenting all of the above activities will be provided to OCD upon completion of the work and receipt of all sample results. Documentation of all soils disposed off site will be provided in this report.

Please provide any comments you may have to me at the above address. If you have any questions about the above, please call me at (713)767-0072. Thank you.

Sincerely,



Russell S. Dykes, P.E., DEE
Senior Environmental Engineer

C: Wayne Banks
Mike Hicks
JD Morris



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
DISTRICT I HOBBS
PO BOX 1980, Hobbs, NM 88241
(505) 393-6161
FAX (505) 393-0720

Jennifer A. Salisbury
CABINET SECRETARY

September 10, 1998

Mr. Russell S. Dykes
Dynege Midstream Services (DMS) (Formerly Warren Petroleum Co.)
1000 Louisiana Street Suite 5800
Houston, Texas 77002

Re: Action Plan for site closure, Eunice gathering system release, Lea County, NM

Location: UL M Sec 31-Ts20s-R38e

Dear Mr. Dykes:

New Mexico Oil Conservation Division (NMOCD) is in receipt of your letter dated September 4, 1998 containing your action plan. **The NMOCD has reviewed your plan and hereby approves with the following conditions:**

1. Action Item #2- DMS shall include BTEX method 8020 on at least two soil samples taken during the vertical extent. NMOCD recommends using a field PID to screen soil boring samples and select two samples which indicate the most contaminated soil and the least contaminated soil.

NMOCD requires monitor well construction to have at least 15 feet of screen, 10 feet in the water and 5 feet above.
2. Action Item #4- Monitor wells shall not be plugged until OCD approves.
3. The documented report will be provided to the NMOCD by October 30, 1998.
4. **Please note upon discovery of groundwater contamination DMS must notify the NMOCD Environmental Bureau within 24 hours and file a written report within 15 days pursuant to NMOCD Rule 116.**
5. DMS shall give NMOCD 48 hours notice before drilling activities.

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

If you require any further information or assistance please do not hesitate to call (505-393-6161) or write this office.

Sincerely Yours,

A handwritten signature in cursive script, appearing to read "Wayne Price".

Wayne Price-Environmental Engineer

cc: Chris Williams-NMOCD District I Supervisor

Dynegy Midstream Services, Limited Partnership
1000 Louisiana Street, Suite 5800
Houston, Texas 77002
Phone 713.507.6400
www.dynegy.com

November 10, 1998

New Mexico Oil Conservation Division
District 1, Hobbs
P.O. Box 1980
Hobbs, New Mexico 88241



Attn.: Mr. Wayne Price, Environmental Engineer

RE: Results of soil and groundwater investigation, Eunice gathering system release,
Lea County, NM

Dear Mr. Price:

Pursuant to your letter dated September 10, 1998, Dynegy Midstream Services, L.P. has installed and sampled a groundwater monitoring well at the location indicated. This letter will serve as a report of the activities associated with the installation and sampling, which occurred on November 3, 1998.

As stated in my previous correspondence to you, Dynegy backfilled the existing excavation and installed a steel casing from the resulting ground surface to the depth of approximately 30 feet. The bottom of the original excavation was completed to approximately 48 feet bgs but it was not possible to install the casing to this depth because the sides of the excavation sloughed off during the backfill operation.

On November 3, 1998, Scarborough Drilling (LaMesa, Texas) installed a soil boring immediately below the release point in the pipeline through the solid casing. Undisturbed soil samples were collected from the boring from 45', 50', 55', 60', 65' and 70' bgs. Each of these soil samples were screened with a Photovac Microtip PID by placing the soil samples in a Ziploc bag and allowing the sample to reach equilibrium temperature. The instrument tip was then inserted into the bag and a reading was recorded after the instrument had come to equilibrium. The PID was calibrated with span gas prior to use and at the end of the day. Table 1 shows the results of the head space soil analysis.

Because of the lack of an obviously contaminated soil sample, each of the samples collected was analyzed for Total Petroleum Hydrocarbons by EPA Method 8015, modified and for BTEX by EPA Method SW-846-8020. The results of these analyses are also contained in Table 1. Copies of all laboratory reports are attached for both soil and groundwater analyses.

Table 1
Summary of Soil Analyses

Sample	PID Reading (ppm)	TPH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl- benzene (mg/Kg)	Total Xylenes (mg/Kg)
45'	10.0	NA	NA	NA	NA	NA
50'	5.0	<10	<0.002	<0.002	<0.002	<0.006
55'	5.0	<10	<0.002	<0.002	<0.002	<0.006
60'	6.7	<10	<0.002	<0.002	<0.002	<0.006
65'	4.1	<10	<0.002	<0.002	<0.002	<0.006
70'	7.0	<10	<0.002	<0.002	<0.002	<0.006

NA – Not analyzed (original bottom of excavation began at 48' bgs)

Water was encountered in the soil boring at approximately 67' bgs. This was confirmed by allowing the boring to remain open and measuring the point where the phreatic surface was encountered in the boring using a weighted tape. A 2-inch PVC well was completed with the screen placed from 62 to 77' bgs. Sand was placed from 59 to 80' bgs with bentonite pellets placed from 56 to 59' bgs. The remainder of the boring was backfilled with grout from 56' bgs to the surface.

After the well had been installed, it was developed using a disposable teflon bailer. Approximately two wetted volumes of well casing were removed from the well prior to sample collection. One sample was collected and transported to Cardinal Laboratories in Hobbs for analysis by EPA Method 8020. Table 2 contains the summary of the analyses on this sample,

Sample	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)
MW-1	<0.002	<0.002	0.003	0.010

The following are the New Mexico Water Quality Control Commission Ground Water Standards:

Benzene 0.01 mg/l
Toluene 0.75 mg/l
ethylbenzene 0.75 mg/l
total xylenes 0.62 mg/l

Since the sample contains concentrations of BTEX below the NMWQCC standards, Dynegy Midstream Services requests permission from the NMOCD to abandon the monitoring well installed on November 3. Our abandonment of this well will follow appropriate NMOCD standards and final abandonment will be subject to agreement with the landowner.

Mr. Wayne Price
November 10, 1998
Page 3

Additionally, since the soil concentrations of TPH and BTEX in the well boring are all below detection limits, Dynegy proposes to proceed with the final closure of the excavation as described in my correspondence to you dated September 4, 1998.

Please provide any comments you may have to me on this issue at the above address. If you have any questions about the above, please call me at (713)767-0072. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Russell S. Dykes", with a stylized flourish at the end.

Russell S. Dykes, P.E., DEE
Senior Environmental Engineer

C: Cal Wrangham
Mike Hicks
Robert McCasland


**CARDINAL
LABORATORIES**

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (806) 393-2328 • 101 E. MARLAND • HOUSTON, NM 88240

**ANALYTICAL RESULTS FOR
DYNEGY MIDSTREAM
P.O. BOX 1909
EUNICE, NM 88231**

Receiving Date: 11/03/98
Reporting Date: 11/06/98
Project Number: NOT GIVEN
Project Name: PIPELINE 16"
Project Location: NORTH OF EUNICE

Sampling Date: 11/03/98
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		11/04/98	11/04/98	11/04/98	11/04/98
H3914-6	MW-1	<0.002	<0.002	0.003	0.010
Quality Control		0.094	0.104	0.099	0.299
True Value QC		0.100	0.100	0.100	0.300
% Recovery		94.4	104	99.9	99.7
Relative Percent Difference		5.1	4.4	0.7	6.4

METHOD: EPA SW 846-8021B, 5030, 5021 Gas Chromatography

Burgett-Ja Roche
Chemist

Date

H3914-6.XLS

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P03

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**ANALYTICAL RESULTS FOR
DYNEGY MIDSTREAM
P.O. BOX 1909
EUNICE, NM 88231**

Receiving Date: 11/03/98
Reporting Date: 11/06/98
Project Number: NOT GIVEN
Project Name: PIPELINE 16
Project Location: NORTH OF EUNICE

Sampling Date: 11/03/98
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NO.	SAMPLE ID	TPH (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		11/04/98	11/04/98	11/04/98	11/04/98	11/04/98
H3914-1	SOIL 50 FT	<10	<0.002	<0.002	<0.002	<0.006
H3914-2	SOIL 55 FT	<10	<0.002	<0.002	<0.002	<0.006
H3914-3	SOIL 60 FT	<10	<0.002	<0.002	<0.002	<0.006
H3914-4	SOIL 65 FT	<10	<0.002	<0.002	<0.002	<0.006
H3914-5	SOIL 70 FT	<10	<0.002	<0.002	<0.002	<0.006
Quality Control		3401	0.094	0.104	0.099	0.246
True Value QC		3000	0.1	0.1	0.1	0.3
% Recovery		113	94.4	104	98.9	99.7
Relative Percent Difference		2.0	5.1	4.4	6.7	6.4

METHODS: TRPHC - EPASW-846 8015 M; BTEX - EPA SW846-8020, 8200

Bryan J. Kashi
Chemist

11/6/98
Date

H3914-1.XLS

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Excavation Before Liner



Liner 3' Deep



Liner Installed



Excavation being filled



Excavation after being filled

