

**GW - 023**

**C-141s**

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

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

RECEIVED OCD  
2011 MAY 31 AM 11:59

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

|                 |                                |               |                              |
|-----------------|--------------------------------|---------------|------------------------------|
| Name of Company | DCP Midstream, LP              | Contact       | Jon D. Bebbington            |
| Address         | 10 Desta Drive, Suite 400 West | Telephone No. | 432-620-4207                 |
| Facility Name   | Artesia Gas Plant              | Facility Type | Natural Gas Processing Plant |

|               |                   |               |  |           |  |
|---------------|-------------------|---------------|--|-----------|--|
| Surface Owner | DCP Midstream, LP | Mineral Owner |  | Lease No. |  |
|---------------|-------------------|---------------|--|-----------|--|

LOCATION OF RELEASE

|             |         |          |       |               |                  |               |                |        |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|             | 7       | T18S     | R27E  |               |                  |               |                | EDDY   |

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

NATURE OF RELEASE

|                             |   |   |   |                            |                     |
|-----------------------------|---|---|---|----------------------------|---------------------|
| Type of Release             | diethanolamine (DEA) solution (30/30/30%)   | Volume of Release                         | 2.0 bbls                                  | Volume Recovered           | 2.0 bbls            |
| Source of Release           | 3760 gallon DEA storage tank  | Date and Hour of Occurrence               | Unknown                                   | Date and Hour of Discovery | 03/04/2011 12:00 PM |
| Was Immediate Notice Given? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?                          | National Response Center                  |                            |                     |
| By Whom?                    | Jon Bebbington  | Date and Hour                             | 03/04/2011 @ 1623 (NRC Tracking # 969203) |                            |                     |
| 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.\* No water course was impacted.

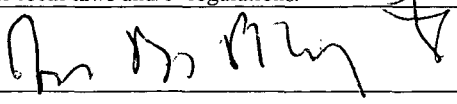
Describe Cause of Problem and Remedial Action Taken.\*

During the cold weather period around February 28 a steam hose was placed into a 70% DEA solution storage to mitigate thickening. This hose was left in the tank and over time appears to have created a siphon and leaked about 2.0 bbls onto the ground.

Describe Area Affected and Cleanup Action Taken.\*

Operators discovered the spillage and secured the hose. They also initiated cleanup with a backhoe. NOVA Environmental has been contracted to cleanup the spill, sample, and prepare a final report (See attached).

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:  | OIL CONSERVATION DIVISION        |                  |                                   |
| Printed Name: Jon D. Bebbington  | Approved by District Supervisor: |                  |                                   |
| Title: Sr. Environmental Engineer  | Approval Date:                   | Expiration Date: |                                   |
| E-mail Address: jdbebbington@dcpmidstream.com  | Conditions of Approval:          |                  | Attached <input type="checkbox"/> |
| Date: 5-26-11  | Phone: 432-620-4207              |                  |                                   |

\* Attach Additional Sheets If Necessary



Spill Report Form

NMED Incident# \_\_\_\_\_ District Code \_\_\_\_\_ Country: \_\_\_\_\_

\*Received by: \_\_\_\_\_ \*Date received: \_\_\_\_\_ Time: \_\_\_\_\_

Date spill occurred Between 2/28/11 and 3/4/11. Time: unk\_\_\_\_\_

\*Date spill discovered 03/04/2011\_\_\_\_\_ Time: 12:00PM\_

Date spill stopped 03/04/2011\_\_\_\_\_ Time: 12:00PM\_

Caller Name: \_Jon Bebbington\_\_\_\_\_ Title: Sr. Env. Spec.\_\_\_\_\_

Address: 10 Desta Drive, Ste 400 West\_\_\_\_\_ City: Midland\_\_\_\_\_

Telephone No. 432-620-4207\_\_\_\_\_ State: TX\_\_\_\_\_ Zip Code 79705\_\_\_\_\_

\*Spiller (RP) \_\_\_\_\_ DCP Midstream Artesia Gas Plant\_\_\_\_\_

Address: 1925 Illinois Camp Road\_\_\_\_\_ City: Artesia\_\_\_\_\_

Telephone No. \_575-677-5203\_\_\_\_\_ State: NM\_\_\_\_\_ Zip Code 88210\_\_\_\_\_

\*Spill Location \_Natural Gas Processing Plant\_\_\_\_\_ (such as highway, street names, etc.)

Source/Cause: \_\_A 70% Diethanolamine/water solution slowly leaked from a hose onto soil.\_\_\_\_\_

Materials spilled: 70% Diethanolamine solution (trade name UCARSOL CR Solvent 402) Amount: 2 bbls\_\_\_\_\_

2) \_\_\_\_\_ Amount: \_\_\_\_\_

Weather Conditions: \_Sunny\_\_\_\_\_ Injuries: None\_\_\_\_\_

Environmental Damage: None.\_\_\_\_\_

Mitigate Actions: Contaminated soil was removed by backhoe and stockpiled. NOVA Environmental contracted to remediate, sample, and prepare a cleanup report.

Nearest waterbody affected: None\_\_\_\_\_

Depth to Groundwater: \_Approx 65 feet\_\_\_\_\_



More Info Menu

1) NMED contacts

Offices contacted: SWQB \_\_\_\_\_ GWB X \_\_\_\_\_ USTB \_\_\_\_\_ SWB \_\_\_\_\_

District/Field Office: \_\_\_\_\_

NPDES Permits # \_\_\_\_\_ Groundwater Permit # GW-023 \_\_\_\_\_

2) Other contacts (other agencies)

U.S. Fish & Wildlife \_\_\_\_\_ NM Game & Fish \_\_\_\_\_ USEPA NRC #969203 \_\_\_\_\_

Epidemiology \_\_\_\_\_ Downstream Users \_\_\_\_\_

Other: \_\_\_\_\_  
(Fire Department, Police, City Officials, Indian Pueblos, etc.)

Other \_\_\_\_\_

3) Communication & Correspondence NRC notified, OCD initial report submitted. \_\_\_\_\_

4) HWB detail ...(nothing in there)

5) SWQB 1-203 Detail

Agency Jurisdiction \_\_\_\_\_  
(Private, Municipality, Doe, DOD, Parks, etc...has a lookup)

Latitude 32.7564 \_\_\_\_\_ Longitude 104.2111 \_\_\_\_\_

And/or

Township, Range, Section T18E, R27E, Sec 7 \_\_\_\_\_  
(Very important for future GIS use)

Cleanup started: Yes X No o Date: 03/04/11 \_\_\_\_\_ Time: 1200PM \_\_\_\_\_

Cleanup completed: Yes X No \_\_\_\_\_ Date: 04/28/2011 \_\_\_\_\_ Time: \_\_\_\_\_

Comments: See attached closure report. \_\_\_\_\_



May 20, 2011

Jon Bebbington  
DCP Midstream, LP  
10 Desta Drive  
Suite 400 West  
Midland, Texas

Re: DCP Artesia Gas Plant  
Diethanolamine (DEA) Solution Release Site  
Eddy County, New Mexico

Dear Mr. Bebbington:

NOVA Safety and Environmental (NOVA), is pleased to present DCP Midstream, L.P. (DCP), this Site Closure Letter Report for the diethanolamine (DEA) solution release that occurred at the DCP Artesia Gas Plant. The site is located in Section 7, Township 18 South, Range 27 East, in Eddy County, New Mexico. The site latitude is 32.7564° North, and the longitude is 104.2111° West. For reference, a Site Location Map is attached.

On March 4, 2011, DCP discovered a release of diethanolamine (DEA) solution had occurred at the DCP Artesia Gas Plant. The release occurred when a steam hose left in the 70% DEA storage tank to control thickening of the solution during cold weather created a siphon and released the DEA solution onto the surface.

On March 4, 2011, DCP reported the release to the National Response Center (NRC Tracking # 969203). The release was also reported to the New Mexico Environmental Department (NMED) and the New Mexico Oil Conservation Division (NMOCD) Artesia District Office. On March 8, 2011, DCP submitted a Release Notification and Corrective Action (Form C-141) to the NMOCD Artesia District Office. The C-141 indicated approximately two (2) barrels of diethanolamine (DEA) solution was released and approximately two (2) barrels were recovered. The Release Notification and Corrective Action (Form C-141) is attached.

On March 8, 2011, NOVA was assigned management responsibilities for soil sampling, and reporting activities by DCP.

Nova personnel conducted research of the New Mexico Administrative Code, and conversations with NMOCD representatives concerning regulatory guidelines for diethanolamine. The research indicated currently no regulations pertaining to a DEA release are available. Research of an adjacent state's

regulations indicates regulatory guideline concentrations of DEA to be less than or equal to 180 mg/Kg in soil.

Prior to Nova's involvement the impacted area was scraped, and the impacted soil was stockpiled on a plastic liner inside a containment area at the DCP Artesia Gas Plant. The scraped area was backfilled and restored to original conditions.

On March 9, 2011, two (2) confirmation soil samples (Floor-1 and Floor-2) were collected from the scraped area. For reference, attached Figure 2 displays the soil sample locations and other site details of the Artesia Gas Plant Release Site.

The soil samples (Floor-1 and Floor-2) were submitted to TraceAnalysis for laboratory analysis for determination of diethanolamine concentrations using method Alcohol Amine SOP. Laboratory analytical results indicated diethanolamine concentrations of less than the laboratory method detection limit (MDL) of 0.0500 mg/Kg for soil sample Floor-2 and 28.3 mg/Kg for soil sample Floor-1. The laboratory analytical report and chain-of-custody documentation are attached.

On April 28, 2011, approximately twenty (20) cubic yards of impacted material was transported to Lea Land, LLC (NMOCD Permit # WM-01-035) for disposal.

Based on the analytical results of confirmation soil samples indicating diethanolamine concentrations below 180 mg/Kg, Nova recommends no further action and that DCP provide the NMOCD Artesia District Office a copy of this Site Closure Letter and request the NMOCD grant site closure to the DCP Artesia Gas Plant Release Site.

If you have any questions, or if additional information is needed, please feel free to call me at 432-520-7720 (office) or 575-605-7210 (cell).

Thank you,

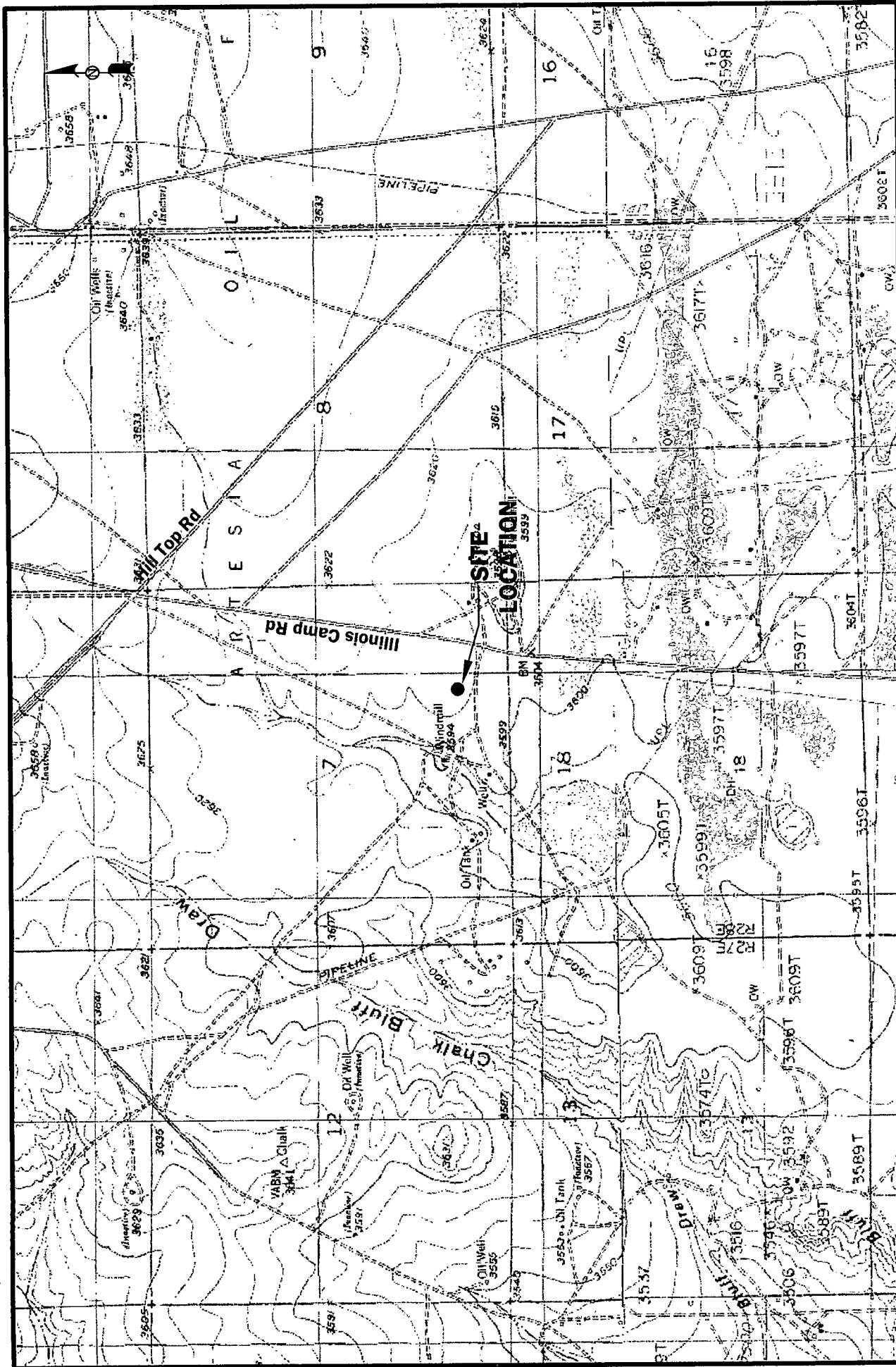


Camille Bryant  
NOVA Safety and Environmental  
Project Manager

**Attachments:**

Figure 1 - Site Location Map  
Figure 2 - Site Details Schematic and Soil Sample Locations Map  
Laboratory Analytical Reports and Chain of Custody Documentation  
Release Notification and Corrective Action (Form C-141)

Cc: Randy Dade-NMOCD Artesia District Office  
file



**NOVA**  
safety and environmental

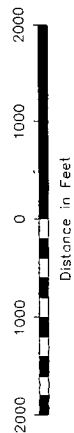
2057 Commerce Drive  
Midland, Texas 79703  
432.520.7720  
www.novasafetyandenvironmental.com

May 6, 2011 Scale: 1" = 2000' CAD By: TA Checked By: CJB

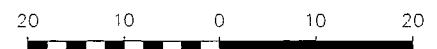
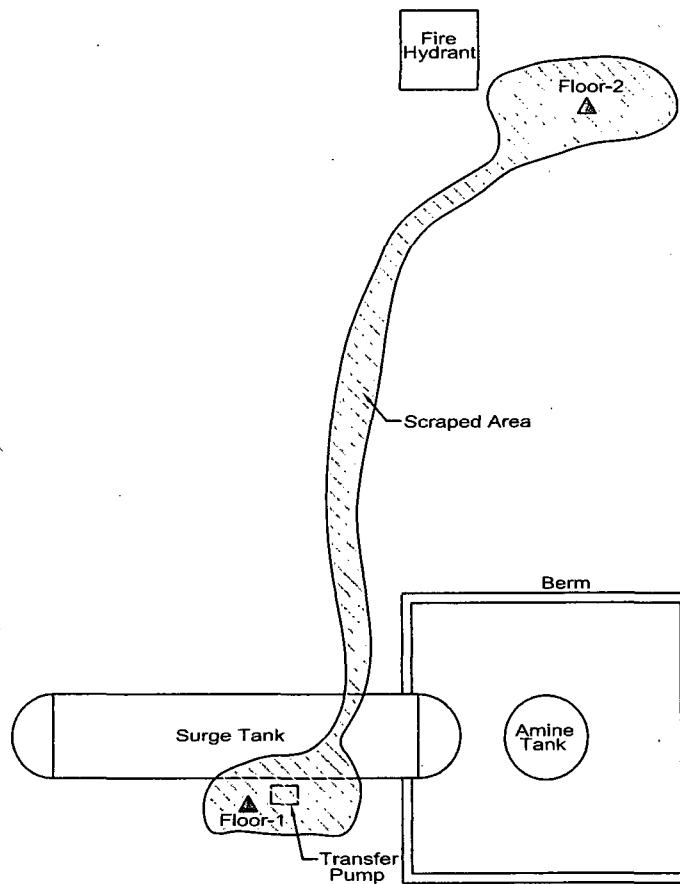
LATITUDE & LONGITUDE COORDINATES: N 32.7564° W 104.2111°

**Figure 1**  
**Site Location Map**  
**Artesia Gas Plant**  
**DCP Midstream**  
**Andrews County, TX**

LEGEND:







Distance in Feet

LEGEND:

△ Sample Location

Figure 2

Site Details Schematic & Confirmation  
Soil Sample Locations Map  
DCP Midstream  
Artesia Gas Plant  
Eddy County, NM



2057 Commerce Drive  
Midland, Texas 79703  
432.520.7720

[www.novasafetyandenvironmental.com](http://www.novasafetyandenvironmental.com)

May 9, 2011 Scale: 1" = 20' CAD By: TA Checked By: CJB

Lat. N 32.7564° Long. W 104.2111°



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1296  
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944  
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313  
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260  
E-Mail: lab@traceanalysis.com

## Certifications

WBENC: 237019

HUB: 1752439743100-86536  
NCTRCA WFVB38444Y0909

DBE: VN 20657

## NELAP Certifications

Lubbock: T104704219-08-TX  
LELAP-02003  
Kansas E-10317

El Paso: T104704221-08-TX  
LELAP-02002

Midland: T104704392-08-TX

## Analytical and Quality Control Report

Camille Bryant  
Nova Safety & Environmental  
2057 Commerce St.  
Midland, TX, 79703

Report Date: 11, 3

Work Order: 11031517



Project Location: Eddy Co., New Mexico  
Project Name: Artesia Gas Plant  
Project Number: Artesia Gas Plant

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

| Sample | Description | Matrix | Date Taken | Time Taken | Date Received |
|--------|-------------|--------|------------|------------|---------------|
| 260566 | Floor-1     | soil   | 2011-03-09 | 14:30      | 2011-03-11    |
| 260567 | Floor-2     | soil   | 2011-03-09 | 14:45      | 2011-03-11    |

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

*Michael Abel*

---

Dr. Blair Leftwich, Director  
Dr. Michael Abel, Project Manager

**Standard Flags**

**B** - The sample contains less than ten times the concentration found in the method blank.

## Case Narrative

Samples for project Artesia Gas Plant were received by TraceAnalysis, Inc. on 2011-03-11 and assigned to work order 11031517. Samples for work order 11031517 were received intact at a temperature of 3.1 C.

Samples were analyzed for the following tests using their respective methods.

| Test           | Method            | Prep<br>Batch | Prep<br>Date        | QC<br>Batch | Analysis<br>Date    |
|----------------|-------------------|---------------|---------------------|-------------|---------------------|
| Alcohol Amines | Alcohol Amine SOP | 67655         | 2011-03-22 at 10:27 | 79743       | 2011-03-24 at 10:28 |

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 11031517 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Report Date: 11, 3  
Artesia Gas Plant

Work Order: 11031517  
Artesia Gas Plant

Page Number: 4 of 6  
Eddy Co., New Mexico

## Analytical Report

### Sample: 260566 - Floor-1

Laboratory: Lubbock  
Analysis: Alcohol Amines      Analytical Method: Alcohol Amine SOP      Prep Method: Alcohol Amine SOP  
QC Batch: 79743      Date Analyzed: 2011-03-24      Analyzed By: MA  
Prep Batch: 67655      sample prep: 2011-03-22      Prepared By: MA

| Parameter      | Flag | RL<br>Result | Units | Dilution | RL      |
|----------------|------|--------------|-------|----------|---------|
| Diethanolamine |      | 28.3         | mg/Kg | 1000     | 0.00500 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| bis(2-hydroxyethyl)-d8-amine |      | <4.86  | mg/Kg | 1000     | 1.00            | 0                   | 50 - 150           |

### Sample: 260567 - Floor-2

Laboratory: Lubbock  
Analysis: Alcohol Amines      Analytical Method: Alcohol Amine SOP      Prep Method: Alcohol Amine SOP  
QC Batch: 79743      Date Analyzed: 2011-03-24      Analyzed By: MA  
Prep Batch: 67655      sample prep: 2011-03-22      Prepared By: MA

| Parameter      | Flag | RL<br>Result | Units | Dilution | RL      |
|----------------|------|--------------|-------|----------|---------|
| Diethanolamine |      | <0.0500      | mg/Kg | 10       | 0.00500 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| bis(2-hydroxyethyl)-d8-amine |      | 0.731  | mg/Kg | 10       | 1.00            | 73                  | 50 - 150           |

### Method Blank (1)      QC Batch: 79743

QC Batch: 79743      Date Analyzed: 2011-03-24      Analyzed By: MA  
Prep Batch: 67655      QC Preparation: 2011-03-22      Prepared By: MA

| Parameter      | Flag | MDL<br>Result | Units | RL    |
|----------------|------|---------------|-------|-------|
| Diethanolamine |      | <0.0291       | mg/Kg | 0.005 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| bis(2-hydroxyethyl)-d8-amine |      | 0.874  | mg/Kg | 10       | 1.00            | 87                  | 50 - 150           |

<sup>1</sup>Surrogate diluted out due to native concentration of COC in soil.

Report Date: 11, 3  
Artesia Gas Plant

Work Order: 11031517  
Artesia Gas Plant

Page Number: 5 of 6  
Eddy Co., New Mexico

#### Laboratory Control Spike (LCS-1)

QC Batch: 79743  
Prep Batch: 67655

Date Analyzed: 2011-03-24  
QC Preparation: 2011-03-22

Analyzed By: MA  
Prepared By: MA

| Param          | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|----------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Diethanolamine | 0.638         | mg/Kg | 1    | 1.00            | <0.00291         | 64   | 50 - 150      |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param          | LCSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|----------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Diethanolamine | 0.682          | mg/Kg | 1    | 1.00            | <0.00291         | 68   | 50 - 150      | 7   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate                    | LCS<br>Result | LCSD<br>Result | Units | Dil. | Spike<br>Amount | LCS<br>Rec. | LCSD<br>Rec. | Rec.<br>Limit |
|------------------------------|---------------|----------------|-------|------|-----------------|-------------|--------------|---------------|
| bis(2-hydroxyethyl)-d8-amine | 0.706         | 0.805          | mg/Kg | 1    | 1.00            | 71          | 80           | 50 - 150      |

#### Matrix Spike (MS-1) Spiked Sample: 260567

QC Batch: 79743  
Prep Batch: 67655

Date Analyzed: 2011-03-24  
QC Preparation: 2011-03-22

Analyzed By: MA  
Prepared By: MA

| Param          | MS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|----------------|--------------|-------|------|-----------------|------------------|------|---------------|
| Diethanolamine | 0.603        | mg/Kg | 10   | 1.00            | <0.0291          | 60   | 50 - 150      |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param          | MSD<br>Result      | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|----------------|--------------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Diethanolamine | <sup>2</sup> 0.472 | mg/Kg | 10   | 1.00            | <0.0291          | 47   | 50 - 150      | 24  | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate                    | MS<br>Result | MSD<br>Result | Units | Dil. | Spike<br>Amount | MS<br>Rec. | MSD<br>Rec. | Rec.<br>Limit |
|------------------------------|--------------|---------------|-------|------|-----------------|------------|-------------|---------------|
| bis(2-hydroxyethyl)-d8-amine | 0.689        | 0.500         | mg/Kg | 10   | 1               | 69         | 50          | 50 - 150      |

#### Standard (ICV-1)

QC Batch: 79743

Date Analyzed: 2011-03-24

Analyzed By: MA

<sup>2</sup>Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Report Date: 11, 3  
Artesia Gas Plant

Work Order: 11031517  
Artesia Gas Plant

Page Number: 6 of 6  
Eddy Co., New Mexico

| Param          | Flag | Units | ICVs<br>True<br>Conc. | ICVs<br>Found<br>Conc. | ICVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Diethanolamine |      | mg/Kg | 0.0500                | 0.0603                 | 121                         | 75 - 125                      | 2011-03-24       |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limit |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|-------------------|
| bis(2-hydroxyethyl)-d8-amine |      | 0.0566 | mg/Kg | 1        | 0.0500          | 113                 | 75 - 125          |

**Standard (CCV-1)**

QC Batch: 79743

Date Analyzed: 2011-03-24

Analyzed By: MA

| Param          | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|----------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Diethanolamine |      | mg/Kg | 0.100                 | 0.0970                 | 97                          | 75 - 125                      | 2011-03-24       |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limit |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|-------------------|
| bis(2-hydroxyethyl)-d8-amine |      | 0.112  | mg/Kg | 1        | 0.100           | 112                 | 75 - 125          |

**BioAquatic Testing**  
2501 Mayes Rd., Ste 100  
Carrollton, Texas 75006  
Tel (972) 242-7750

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

100

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier #

can — 2S Z 144206

2000 (Munich)

Submittal of samples constitutes agreement to Terms and Conditions

CONDITIONS LISTED ON REVERSE SIDE OF C. O. C.

CONDITIONS LISTED ON REVERSE SIDE OF C. O. C.

Carrier # Ca

11-11-75

144206

|  |  |
|--|--|
|  |  |
|--|--|



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

CEP-112 7008 1834 0007  
2527 9461  
Form C-141  
Revised October 10, 2003

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 of Company | DCP Midstream, LP              | Contact       | Jon D. Bebbington            |
| Address         | 10 Desta Drive, Suite 400 West | Telephone No. | 432-620-4207                 |
| Facility Name   | Artesia Gas Plant              | Facility Type | Natural Gas Processing Plant |
| Surface Owner   | DCP Midstream, LP              | Mineral Owner |                              |
|                 |                                | Lease No.     |                              |

LOCATION OF RELEASE

|             |         |          |       |               |                  |               |                |        |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|             | 7       | T18S     | R27E  |               |                  |               |                | EDDY   |

Latitude 32.7564 Longitude 104.2111

NATURE OF RELEASE

|                             |   |   |   |                            |                     |
|-----------------------------|---|---|---|----------------------------|---------------------|
| Type of Release             | diethanolamine (DEA) solution (30/30/30%)   | Volume of Release                         | 2.0 bbls                                  | Volume Recovered           | 2.0 bbls            |
| Source of Release           | 3760 gallon DEA storage tank  | Date and Hour of Occurrence               | Unknown                                   | Date and Hour of Discovery | 03/04/2011 12:00 PM |
| Was Immediate Notice Given? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?                          | National Response Center                  |                            |                     |
| By Whom?                    | Jon Bebbington  | Date and Hour                             | 03/04/2011 @ 1623 (NRC Tracking # 969203) |                            |                     |
| 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.\* No water course was impacted.

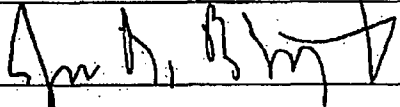
Describe Cause of Problem and Remedial Action Taken.\*

During the cold weather period around February 28 a steam hose was placed into a 70% DEA solution storage to mitigate thickening. This hose was left in the tank and over time appears to have created a siphon and leaked about 2.0 bbls onto the ground.

Describe Area Affected and Cleanup Action Taken.\*

Operators discovered the spillage and secured the hose. They also initiated cleanup with a backhoe. NOVA Environmental has been contracted to cleanup the spill, sample, and prepare a final report.

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:  | OIL CONSERVATION DIVISION        |                  |                                   |
| Printed Name: Jon D. Bebbington  | Approved by District Supervisor: |                  |                                   |
| Title: Sr. Environmental Engineer  | Approval Date:                   | Expiration Date: |                                   |
| E-mail Address: jdbebbington@dcpmidstream.com  | Conditions of Approval:          |                  | Attached <input type="checkbox"/> |
| Date: <u>3-8-11</u>  | Phone: 432-620-4207              |                  |                                   |

\* Attach Additional Sheets If Necessary

cc: OCS Santa Fe 7008 1834 0004 2527  
7839



Spill Report Form

NMED Incident# \_\_\_\_\_ District Code \_\_\_\_\_ Country: \_\_\_\_\_

\*Received by: \_\_\_\_\_ \*Date received: \_\_\_\_\_ Time: \_\_\_\_\_

Date spill occurred Between 2/28/11 and 3/4/11. Time: unk \_\_\_\_\_

\*Date spill discovered 03/04/2011 Time: 12:00PM\_

Date spill stopped 03/04/2011 Time: 12:00PM\_

Caller Name: \_Jon Bebbington\_\_\_\_\_ Title: Sr. Env. Spec.\_\_\_\_\_

Address: 10 Desta Drive, Ste 400 West\_\_\_\_\_ City: Midland\_\_\_\_\_

Telephone No. 432-620-4207\_\_\_\_\_ State: TX\_\_\_\_\_ Zip Code 79705\_\_\_\_\_

\*Spiller (RP) \_\_\_\_\_ DCP Midstream Artesia Gas Plant\_\_\_\_\_

Address: 1925 Illinois Camp Road\_\_\_\_\_ City: Artesia\_\_\_\_\_

Telephone No. \_575-677-5203\_\_\_\_\_ State: NM\_\_\_\_\_ Zip Code 88210\_\_\_\_\_

\*Spill Location \_Natural Gas Processing Plant\_\_\_\_\_ (such as highway, street names, etc.)

Source/Cause: \_\_A 70% Diethanolamine/water solution slowly leaked from a hose onto soil.\_\_\_\_\_

Materials spilled: 70% Diethanolamine solution (trade name Amount: 2 bbls \_\_\_\_\_ UCARSOL CR Solvent 402)

2) \_\_\_\_\_ Amount: \_\_\_\_\_

Weather Conditions: \_Sunny\_\_\_\_\_ Injuries: None \_\_\_\_\_

Environmental Damage: None. \_\_\_\_\_

Mitigate Actions: Contaminated soil was removed by backhoe and stockpiled. NOVA Environmental contracted to remediate, sample, and prepare a cleanup report.

Nearest waterbody affected: None \_\_\_\_\_

Depth to Groundwater: \_Approx 65 feet\_\_\_\_\_



More Info Menu

1) NMED contacts

Offices contacted: SWQB \_\_\_\_\_ GWB X USTB \_\_\_\_\_ SWB \_\_\_\_\_

District/Field Office: \_\_\_\_\_

NPDES Permits # \_\_\_\_\_ Groundwater Permit # GW-023 \_\_\_\_\_

2) Other contacts (other agencies)

U.S. Fish & Wildlife \_\_\_\_\_ NM Game & Fish \_\_\_\_\_ USEPA NRC #969203 \_\_\_\_\_

Epidemiology \_\_\_\_\_ Downstream Users \_\_\_\_\_

Other: \_\_\_\_\_  
(Fire Department, Police, City Officials, Indian Pueblos, etc.)

Other \_\_\_\_\_

3) Communication & Correspondence NRC notified, OCD initial report submitted. \_\_\_\_\_

4) HWB detail ...(nothing in there)

5) SWQB 1-203 Detail

Agency Jurisdiction \_\_\_\_\_  
(Private, Municipality, Doe, DOD, Parks, etc...has a lookup)

Latitude 32.7564 Longitude 104.2111

And/or

Township, Range, Section T18E, R27E, Sec 7  
(Very important for future GIS use)

Cleanup started: Yes X No o Date: 03/04/11 Time: 1200PM

Cleanup completed: Yes o No X Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: \_\_\_\_\_

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

*Certified 7008 1839 0004*  
*2527 0431*  
Form C-141  
Revised October 10, 2003

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 of Company | DCP Midstream, LP              | Contact       | Jon D. Bebbington            |
| Address         | 10 Desta Drive, Suite 400 West | Telephone No. | 432-620-4207                 |
| Facility Name   | Artesia Gas Plant              | Facility Type | Natural Gas Processing Plant |

|               |                   |               |  |           |  |
|---------------|-------------------|---------------|--|-----------|--|
| Surface Owner | DCP Midstream, LP | Mineral Owner |  | Lease No. |  |
|---------------|-------------------|---------------|--|-----------|--|

#### LOCATION OF RELEASE

|             |         |          |       |               |                  |               |                |        |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|             | 7       | T18S     | R27E  |               |                  |               |                | EDDY   |

Latitude 32.7564 Longitude 104.2111

#### NATURE OF RELEASE

|                             |   |   |   |                            |                     |
|-----------------------------|---|---|---|----------------------------|---------------------|
| Type of Release             | diethanolamine (DEA) solution (30/30/30%)   | Volume of Release                         | 2.0 bbls                                  | Volume Recovered           | 2.0 bbls            |
| Source of Release           | 3760 gallon DEA storage tank  | Date and Hour of Occurrence               | Unknown                                   | Date and Hour of Discovery | 03/04/2011 12:00 PM |
| Was Immediate Notice Given? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?                          | National Response Center                  |                            |                     |
| By Whom?                    | Jon Bebbington  | Date and Hour                             | 03/04/2011 @ 1623 (NRC Tracking # 969203) |                            |                     |
| 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.\* No water course was impacted.

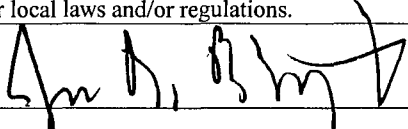
#### Describe Cause of Problem and Remedial Action Taken.\*

During the cold weather period around February 28 a steam hose was placed into a 70% DEA solution storage to mitigate thickening. This hose was left in the tank and over time appears to have created a siphon and leaked about 2.0 bbls onto the ground.

#### Describe Area Affected and Cleanup Action Taken.\*

Operators discovered the spillage and secured the hose. They also initiated cleanup with a backhoe. NOVA Environmental has been contracted to cleanup the spill, sample, and prepare a final report.

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:  |                     | <b>OIL CONSERVATION DIVISION</b> |                                   |
| Printed Name: Jon D. Bebbington  |                     | Approved by District Supervisor: |                                   |
| Title: Sr. Environmental Engineer  |                     | Approval Date:                   | Expiration Date:                  |
| E-mail Address: jdbebbington@dcpmidstream.com  |                     | Conditions of Approval:          | Attached <input type="checkbox"/> |
| Date: <u>3-8-11</u>  | Phone: 432-620-4207 |                                  |                                   |

\* Attach Additional Sheets If Necessary

cc: OGD Santa Fe 7008 1839 0004 2527 2839