

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

SEB 0809433180

Release Notification and Corrective Action

SEB 0809433030  
NSEB 0809354487

258995

OPERATOR

Initial Report  Final Report

Name of Company - ConocoPhillips pipe Line Company	Contact - Kirby Shipp
Address - 4001 East 42 <sup>nd</sup> Street - Odessa, Tx. 79762	Telephone No. - 575/391-8262
Facility Name - Loco Hills Truck Unload Facility	Facility Type - Sour Crude Oil injection site

Surface Owner - U.S. Department of the Interior, Bureau of Land Management	Mineral Owner	Lease No. NM 101867
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	29	17S	30E	130 feet	Northwest	160 feet	West	Eddy

Latitude N32 48.491 Longitude W103 59.598

NATURE OF RELEASE

Type of Release - Crude oil	Volume of Release - 97 bbls.	Volume Recovered - 0
Source of Release - Pump site - suction pulsation dampner	Date and Hour of Occurrence - 02/27/08 - 04:50 to 05:17 PM	Date and Hour of Discovery - 02/27/08 - 05:17 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Ponca City control center, NMOCD Santa Fe Office; NMOCD District 2,	
By Whom? Kirby Shipp contacted the control center and Thomas Lacki contacted the NMOCD.	Date and Hour: NMOCD was contacted on 2/27/08 at approximately 8:35 p.m. and 8:40 p.m. respectively. (I was out of cell phone reach until 8:10 p.m.)	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.\*  
NA

Describe Cause of Problem and Remedial Action Taken.\*  
A bolt sheared off of a clamp holding an end cap on a suction pulsation dampner for a PD pump resulting in a fantail spray of crude oil. The pump is used to pull crude from the storage tank and LACT unit out to the line which feeds Buckeye Station. The release lasted approximately 1.25 hours.

Describe Area Affected and Cleanup Action Taken\* The impact area is approximately 20 feet wide by 125 feet long and extends from the pipe line right of way out on to land owned by the Bureau of Land Management. Vacuum trucks were dispatched to the location; however, due to the dry sandy soil little to no oil was reclaimed. ConocoPhillips is currently working with TetraTech to develop a sampling plan to delineate the extent of the release. Once the extent of the contamination is known, a remediation plan will be developed to address the issues. Both the sampling and remediation plans will be submitted to your office for approval prior to implementation.

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: Thomas Lacki	Approved by District Supervisor:	
Title: Environmental Coordinator	Approval Date: 4-2-08	Expiration Date:
E-mail Address: thomas.lacki@conocophillips.com	Conditions of Approval: <b>REMEDIATION</b> Attached <input checked="" type="checkbox"/>	
Date: 3/12/08 Phone: (432) 368-1315	<b>WORK PLAN DUE 5-2-08</b>	

\* Attach Additional Sheets If Necessary

PSEB 0809433924

2RP-154

# New Mexico Energy, Minerals and Natural Resources Department

**Bill Richardson**  
Governor

**Joanna Prukop**  
Cabinet Secretary  
**Reese Fullerton**  
Deputy Cabinet Secretary

**Mark Fesmire**  
Division Director  
Oil Conservation Division



April 2, 2008

ConocoPhillips Pipe Line Company  
Attn: Mr. Thomas Lacki  
4001 East 42<sup>nd</sup> Street  
Odessa, TX 79762

RE: Remediation Work Plan  
Loco Hills Truck Unload Facility 29-17S-30E Eddy County, New Mexico  
2RP-154

Operator;

The New Mexico Oil Conservation Division District 2 office (OCD) is in receipt of a work plan (plan) submitted by Tetra Tech Inc requesting to "perform a subsurface investigation" regarding a 95 barrel crude oil release occurring on February 27, 2008 at the above referenced site. The request to perform a subsurface investigation is approved.

Please submit an alternate work plan proposal (plan) for remediation, removal and/or clean up actions of contaminants that may be present at this site. The plan is to be formulated based on the vertical and horizontal delineation of contamination, site ranking, and OCD Rules and Guidelines.

A publication outlining OCD guidelines and requirements for site ranking and spill remediation can be found on the OCD website as follows: <http://www.emnrd.state.nm.us/ocd> Click on each of the following items as they appear:

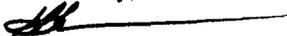
- Publications
- Environmental Handbook
- Miscellaneous Guidelines
- Remediation of Leaks, Spills and Releases

Please submit this plan to the OCD District 2 office no later than May 2, 2008. Please include any remedial or clean up actions that have already been performed.

Remediation requirements may be subject to other federal, state, local laws and/or regulations.

Thank you for your attention to this matter. If I can be of assistance or should you have any questions/concerns, please don't hesitate to contact me.

Sincerely,

  
Sherry Bonham  
NMOCD District 2  
1301 W. Grand Ave.  
Artesia, NM 88210  
(505) 748-1283 Ext.109  
[sherry.bonham@state.nm.us](mailto:sherry.bonham@state.nm.us)

cc: Tetra Tech, Inc  
Bill Neal, ConocoPhillips Pipe Line Company  
Kirby Shipp, ConocoPhillips Pipe Line Company





1703 W. Industrial Ave.  
Midland, Texas 79701  
(432) 686-8081

TETRA TECH, INC.

March 20, 2008

Mr. Tim Gun  
NM Oil Conservation Commission  
1301 W. Grand Ave.  
Artesia, NM 882310

Mr. Paul Evans  
US Bureau of Land Management  
620 E. Greene St.  
Carlsbad, NM 88220

RE: Loco Hills Truck Loading Station Work Plan  
Eddy County, New Mexico  
Sec. 29, T17S, R30E  
Tetra Tech Project No.8640024

Gentlemen:

On Behalf of ConocoPhillips Pipe Line Company (CPPL), Tetra Tech, Inc. (Tetra Tech) is pleased to submit this work plan to perform a subsurface investigation at CPPL's Loco Hills Truck Loading Station (Site; Figure 1). This work is in support of CPPL's efforts to delineate and remediate a recent 95 barrel crude oil release at the Site (C141 attached). The Site is located approximately 1 mile southwest of Loco Hills in Eddy County, New Mexico (32° 48.49098N, 103° 59.598W). The Bureau of Land Management is the land administrator.

The Site is located immediately north of the western portion of the Delaware Basin. The area is underlain by Guadalupian age formations, which contains a thick sequence of sandstones, shales, siltstone, and evaporites<sup>1</sup>. In the immediate vicinity of the Site, topography is nearly level to moderately undulating. The Kermit-Berino soil complex at the Site is loamy fine sand overlying fractured indurated caliche.<sup>2</sup>

Depth to water in the vicinity of the Site is estimated at over 100 feet below ground surface (fbgs). This interpretation is based potentiometric surface contours (330 fbgs) described by Hiss<sup>1</sup> for aquifer systems in northern Eddy County. The New Mexico Office of State Engineer's database and the United States Geological Survey's database<sup>3,4</sup> did not yield any depth to groundwater information in this area. The U.S. Geological Survey, 1955 topographic map, 1:24,000 scale, entitled "Red Lake SE New Mexico" identifies a windmill approximately 4.6 miles northwest of the Site. No information is available on the depth of water at this location. The nearest surface water body is a playa, located approximately 800 feet west of the Site.

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<sup>1</sup> Hiss, W.L. 1980. Movement of Ground Water in Permian Guadalupian Aquifer Systems, Southeastern New Mexico and Western Texas. In New Mexico Geological Society 31<sup>st</sup> Field Conference publication entitled "Trans-Pecos Region Southeastern New Mexico and West Texas." Pp 289 – 294.

<sup>2</sup> U.S. Department of Agriculture, Natural Resources Conservation Services. Webb Soil Survey Database.

<sup>3</sup> New Mexico Office of State Engineer. W.A.T.E.R.S. Database.

<sup>4</sup> United States Geological Survey. Groundwater Levels for the Nation Database.

### Scope of Work

The lateral extent of the release area is defined by soil discoloration. To delineate the vertical extent of the crude oil affected area, Tetra Tech will perform the following activities:

1. A backhoe will be used dig exploratory trenches in the affected area.
2. It is anticipated that 2 trenches will be excavated inside the affected area and soil samples will be collected every two feet in each trench. Soil samples collected from the trenches will be field tested using a photo-ionization detector (PID) to screen for volatile organic compounds (VOC). Diesel range petroleum hydrocarbons (TPH<sub>DRO</sub>) will be field screened using a PetroFLAG System.<sup>5</sup> VOC and TPH<sub>DRO</sub> field analysis will determine the clean boundary of < 50 parts per million (ppm) VOC and < 5,000 ppm TPH.
3. Two soil samples from each soil trench (highest TPH<sub>DRO</sub> reading and basal sample, 4 possible) will be submitted to a laboratory for confirmation analyses. The samples will be placed into glass sample jars, sealed with Teflon-lined lids, and placed on ice for transportation to an analytical laboratory where they will be analyzed for total petroleum hydrocarbons (TPH<sub>DRO</sub> and TPH<sub>GRO</sub>, Method 8015) and benzene, toluene, ethylbenzene, and total xylenes (BTEX, Method 8260). In addition, the basal samples from each soil trench will be analyzed for BTEX synthetic precipitation leaching potential (SPLP<sub>BTEX</sub>; USEPA Method 1312/8015). These analyses will be used to confirm clean vertical boundaries have been identified.
4. Excavated soil will be returned to the trench for handling during site remediation.
5. Tetra Tech will supervise and direct all subcontractor activities, and prepare a report describing and documenting what was done at the site, including a site map and recommendations for remediation.

Tetra Tech will conduct all activities, and prepare a findings report describing and documenting what was done at the Site, including a site map. This report on activities, results, and recommendations will be submitted for ConocoPhillips and New Mexico Oil Conservation Division's review and approval.

### Project Approach

Mr. Charles Durrett will serve as the Project Manager and will have the authority to commit whatever resources are necessary to support the project team. It will be Mr. Durrett's responsibility to ensure that the Client's needs are met in terms of scope of work and schedule. Mr. Durrett is located in Tetra Tech's Midland, Texas, office.

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<sup>5</sup> U.S. Environmental Protection Agency, 2001. Innovative Technology Verification Report, Dexsil Corporation PetroFLAG™ System. Prepared by Tetra Tech EM Inc. for USEPA National Exposure Research Laboratory Office of Research and Development. EPA/R-01/092.

Messers. Gun and Evans  
March 20, 2008  
Page 3

Loco Hills Work Plan

### **Project Schedule**

Tetra Tech is prepared to commence work on this project immediately following receipt of your notification to proceed.

If you concur with this Work Plan, please notify me by giving authorization to proceed. Please contact me or Mr. Thomas Lacki (CPPL, 432-368-1315), if you have any questions or require additional information.

Sincerely,

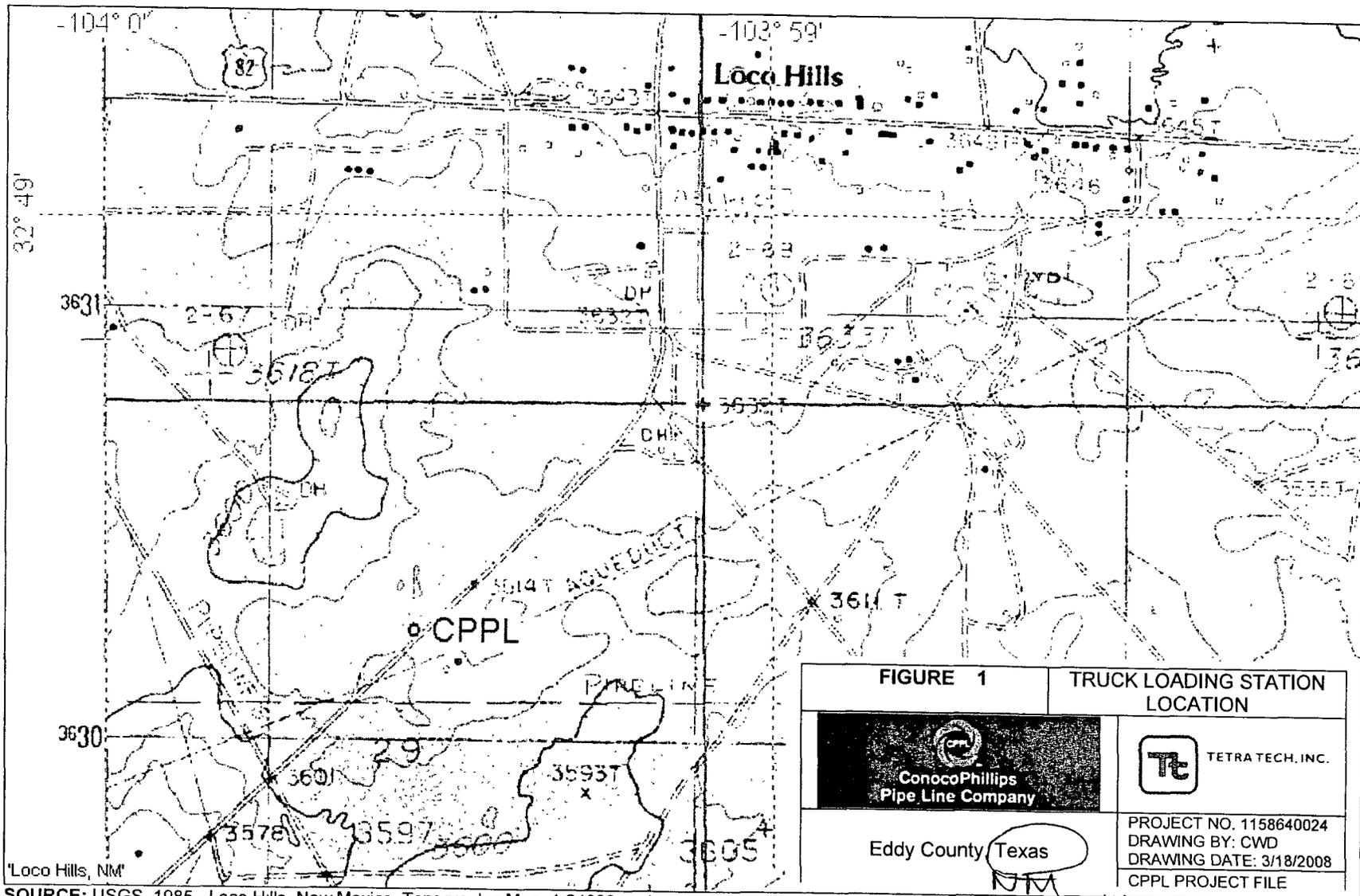
### **Tetra Tech, Inc.**

Digitally signed by Charles Durrett  
DN: CN = Charles Durrett, C = US, O = Tetra Tech  
Reason: I am the author of this document  
Date: 2008.03.20 10:30:48 -05'00'

Charles Durrett  
Office Manager

Cc. Thomas Lacki, ConocoPhillips Pipe Line Company  
Bill Neal, ConocoPhillips Pipe Line Company





SOURCE: USGS, 1985. Loco Hills, New Mexico. Topographic Map. 1:24000 scale.

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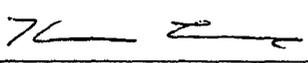
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**OIL CONSERVATION DIVISION**

Signature: 	Approved by District Supervisor:	
Printed Name: Thomas Lacki	Approval Date:	Expiration Date:
Title: Environmental Coordinator	Conditions of Approval:	
E-mail Address: thomas.lacki@conocophillips.com	Attached <input type="checkbox"/>	
Date: 3/12/08	Phone: (432) 368-1315	

\* Attach Additional Sheets If Necessary