3R-1012

Release Report/ General Correspondence

Enterprise RA

Date: Apr-Jun 2013

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

Form Revised August 8, 20 ...

Final Report

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Initial Report

Release Notification and Corrective Action
OPERATOR
Init

| | | Contact Aaron Dailey | | | | | |
|--|---|--|--|--|--|---|--|
| Address 614 Reilly Avenue, Farmington NM 87401 | | Telephone No. (505)599-2286 Facility Type Natural Gas Gathering Meter Run Location | | | | | |
| Facility Name Jicarilla D-4 Meter Run | | Facility Typ | oe Natural Gas (| Gathe | ring Meter | Run Location | |
| Surface Owner Jicarilla Tribal Mineral C |)wner . | Jicarilla Tril | oal | | API No |). | |
| LOCA | TIO | N OF DE | FACE | | | | |
| Unit Letter Section Township Range Section the Section | | ON OF RELEASE rth/South Line Feet from the East/W | | | West Line | County Rio Arriba | |
| Latitude_N36.26476 Lo | ongitud | le_W107.31 | 972 (Decimal D | egree | s) | l | |
| NAT | URE | OF REL | EASE | | | | |
| Type of Release Natural gas Condensate and Water | | | Release Unknow at 2 barrels | n, | | Recovered 59 yards of ated soil was removed from | |
| Source of Release Meter Tube Valve | | Date and F Unknown | Hour of Occurrenc | e | | Hour of Discovery 3 @ 16:00 hours | |
| Was Immediate Notice Given? ☐ Yes* ☐ No ☐ Not Re | equired | | nmond and Hobso | | | diate notification for any Gas Administration | |
| By Whom? Aaron Dailey | | Date and I | Hour 3/12/2013 @ | 08:00 |) hours | | |
| Was a Watercourse Reached? ☐ Yes ☒ No | | If YES, Vo | olume Impacting t | he Wa | | | |
| Tes 🗵 No | | | | | P | CVD JUN 17'13 | |
| | | | | | | | |
| If a Watercourse was Impacted, Describe Fully.* | | · | | | | NL CONS. DIV. DIST. 3 | |
| Describe Cause of Problem and Remedial Action Taken.* Third party oil and gas technician reported that he found the 1" ba and reported to Enterprise that several cows were located near the to prevent another incident. Location Describe Area Affected and Cleanup Action Taken.* Soil below and adjacent to the valve that was opened by a cow w approval of the Jicarilla Environmental Protection Office. Third | vere imp | n. Enterprise | supervisor respon osequently cleaned on report is attach | d up us | owing gas. T site and rem sing dig and his "final" c- | DIL CONS. DIV. DIST. 3 This technician shut in the valve to ved the handle from the valve that techniques under 141 report. | |
| Describe Cause of Problem and Remedial Action Taken.* Third party oil and gas technician reported that he found the 1" ba and reported to Enterprise that several cows were located near the to prevent another incident. Location Describe Area Affected and Cleanup Action Taken.* Soil below and adjacent to the valve that was opened by a cow w | vere implements of the lease nort by the emediate | n. Enterprise pacted and sulporrective actions best of my otifications are NMOCD me contamination. | osequently cleaned on report is attached and perform correct arked as "Final Roon that pose a three the operator of a | d up us ed to the nderstative ac eport" eat to grespons | owing gas. To site and remaining dig and this "final" chart pursections for reladoes not religround water sibility for constant of the sibility for constant of t | This technician shut in the valve coved the handle from the valve chaul techniques under cover to NMOCD rules and cover which may endanger leve the operator of liability surface water, human health compliance with any other | |
| Describe Cause of Problem and Remedial Action Taken.* Third party oil and gas technician reported that he found the 1" bat and reported to Enterprise that several cows were located near the to prevent another incident. Location Describe Area Affected and Cleanup Action Taken.* Soil below and adjacent to the valve that was opened by a cow was approval of the Jicarilla Environmental Protection Office. Third I hereby certify that the information given above is true and compregulations all operators are required to report and/or file certain republic health or the environment. The acceptance of a C-141 reposition of the environment. In addition, NMOCD acceptance of a C-141 report the environment. In addition, NMOCD acceptance of a C-141 report the environment. In addition, NMOCD acceptance of a C-141 report the environment. In addition, NMOCD acceptance of a C-141 report the environment. | vere implements of the lease nort by the emediate | n. Enterprise pacted and sulporrective actions best of my otifications are NMOCD me contamination. | osequently cleaned on report is attached and perform correct arked as "Final Roon that pose a three the operator of a | d up us ed to the nderstative ac eport" eat to grespons | owing gas. To site and remaining dig and this "final" chart pursections for reladoes not religround water sibility for constant of the sibility for constant of t | haul techniques under to NMOCD rules and eases which may endanger eve the operator of liability r, surface water, human health | |
| Describe Cause of Problem and Remedial Action Taken.* Third party oil and gas technician reported that he found the 1" bat and reported to Enterprise that several cows were located near the to prevent another incident. Location Describe Area Affected and Cleanup Action Taken.* Soil below and adjacent to the valve that was opened by a cow was approval of the Jicarilla Environmental Protection Office. Third I hereby certify that the information given above is true and compregulations all operators are required to report and/or file certain republic health or the environment. The acceptance of a C-141 report the environment. In addition, NMOCD acceptance of a C-141 federal, state, or local laws and/or regulations. | vere imp party collete to the elease nort by the emediate | n. Enterprise pacted and sulporrective active the best of my otifications a the NMOCD me the contamination on the contamination of the | osequently cleaned on report is attached and perform correct arked as "Final Roon that pose a three the operator of a | d up us ed to tl ndersta tive ac eport" eat to g respons | owing gas. To site and remaining dig and this "final" count that purse strions for religious materials water sibility for count water sibility for county water sibility for county water sibility for county water wat | his technician shut in the valve to the handle from the valve that techniques under that to NMOCD rules and the eases which may endanger the eve the operator of liability that surface water, human health to impliance with any other | |
| Describe Cause of Problem and Remedial Action Taken.* Third party oil and gas technician reported that he found the 1" bat and reported to Enterprise that several cows were located near the to prevent another incident. Location Describe Area Affected and Cleanup Action Taken.* Soil below and adjacent to the valve that was opened by a cow was approval of the Jicarilla Environmental Protection Office. Third I hereby certify that the information given above is true and compregulations all operators are required to report and/or file certain republic health or the environment. The acceptance of a C-141 reports the environment. In addition, NMOCD acceptance of a C-141 federal, state, or local laws and/or regulations. Signature: | vere imp party collete to the elease nort by the emediate | n. Enterprise pacted and sulporrective active the best of my otifications a the NMOCD me the contamination on the contamination of the | psequently cleaned on report is attached as "Final Report on that pose a three the operator of the CONSE | d up us ed to tl ndersta tive ac eport" eat to g respons | owing gas. To site and remaining dig and this "final" count that purse strions for religious materials water sibility for count water sibility for county water sibility for county water sibility for county water wat | this technician shut in the valve coved the handle from the valve chaul techniques under 141 report. The suant to NMOCD rules and cases which may endanger eve the operator of liability surface water, human health compliance with any other | |
| Describe Cause of Problem and Remedial Action Taken.* Third party oil and gas technician reported that he found the 1" bat and reported to Enterprise that several cows were located near the to prevent another incident. Location Describe Area Affected and Cleanup Action Taken.* Soil below and adjacent to the valve that was opened by a cow was approval of the Jicarilla Environmental Protection Office. Third I hereby certify that the information given above is true and comparegulations all operators are required to report and/or file certain republic health or the environment. The acceptance of a C-141 report the environment. In addition, NMOCD acceptance of a C-141 federal, state, or local laws and/or regulations. Signature: Printed Name: Matt Marra | vere imple party collete to the elease nort by the emediator report d | n. Enterprise pacted and sulporrective active the best of my otifications a the NMOCD me the contamination to contamination | osequently cleaned on report is attached to the correct of the correct on that pose a three the operator of the correct on that pose a three the operator of the correct of | d up us ed to tl ndersta tive ac eport" eat to g respons | owing gas. To site and remaining dig and this "final" countries to site of the | his technician shut in the valve to the handle from the valve that techniques under that techniques under that to NMOCD rules and the eases which may endanger the the operator of liability that the operator of liability that the operator of the property of | |
| Describe Cause of Problem and Remedial Action Taken.* Third party oil and gas technician reported that he found the 1" bat and reported to Enterprise that several cows were located near the to prevent another incident. Location Describe Area Affected and Cleanup Action Taken.* Soil below and adjacent to the valve that was opened by a cow was approval of the Jicarilla Environmental Protection Office. Third I hereby certify that the information given above is true and comparegulations all operators are required to report and/or file certain republic health or the environment. The acceptance of a C-141 report the environment. In addition, NMOCD acceptance of a C-141 federal, state, or local laws and/or regulations. Signature: Printed Name: Matt Marra Title: Sr. Director, Environmental | vere imple party collete to the elease nort by the emediator report d | n. Enterprise pacted and sulporrective active acti | osequently cleaned on report is attached to the correct of the correct on that pose a three the operator of the correct on that pose a three the operator of the correct of | d up us ed to the description and estative acceport" eat to grespons | owing gas. To site and removed sing dig and this "final" count that pursuitions for relations for relations for relations water sibility for control water s | haul techniques under 141 report. uant to NMOCD rules and eases which may endanger eve the operator of liability surface water, human health compliance with any other DIVISION Attached Attached | |



May 1, 2013

Project Number 97057-0550

Phone: (505) 599-2286

Cell:

(505) 427-1719

Mr. Aaron Dailey Enterprise Products 614 Reilly Ave Farmington, New Mexico 87401

RE: SPILL ASSESSMENT AND CLOSURE REPORT FOR THE JICARILLA D #4 WELL SITE, RIO ARRIBA COUNTY, NEW MEXICO

Dear Mr. Dailey:

Enclosed please find the *Spill Assessment and Closure Report* detailing site assessment and closure activities conducted at the Jicarilla D #4 well site located in Section 36, Township 24 North, Range 5 West, Rio Arriba County, New Mexico.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,

ENVIROTECH, INC.

Rene Garcia Reyes

Senior Environmental Field Technician

rgarcia@envirotech-inc.com

Enclosures:

Spill Assessment and Closure Report

Cc:

Client File Number 97057

ENTERPRISE PRODUCTS SPILL ASSESSMENT AND CLOSURE REPORT JICARILLA D #4

SECTION 36, TOWNSHIP 24 NORTH, RANGE 5 WEST RIO ARRIBA COUNTY, NEW MEXICO

TABLE OF CONTENTS

| INTRODUC | CTION | 1 |
|-------------|---|---|
| ACTIVITIE | ES PERFORMED | 1 |
| SUMMARY | Y AND CONCLUSIONS | 3 |
| STATEME | NT OF LIMITATIONS | 3 |
| | | |
| Figures: | Figure 1, Vicinity Map Figure 2, Site Map – Initial Assessment 03/14/2013 Figure 3, Site Map – Confirmation Sampling 03/15/2013 Figure 4, Site Map – Confirmation Sampling 03/18/2013 | |
| Tables: | Table 1, Summary of Analytical Results | |
| Appendices: | Appendix A, Analytical Results Appendix B, Bills of Lading | |

Enterprise Products
Spill Assessment and Closure Report
Jicarilla D #4
Project Number 97057-0550
March 2013
Page 1

Introduction

Envirotech, Inc. of Farmington, New Mexico, was contracted by Enterprise Products to provide spill assessment and confirmation sampling services for a release of the liquids associated with wet natural gas from the Jicarilla D #4 well site located in Section 36, Township 24 North, Range 5 West, Rio Arriba County, New Mexico; see enclosed *Figure 1, Vicinity Map*. On March 12, 2013, Enterprise Products personnel, Johnny Sandoval, received a phone call from a third party technician reporting that he found the one (1)-inch ball valve at the end of the meter run half open, with no gas pressure on the lines and free standing liquids covering the soil surrounding the northern side of the meter run. Enterprise Products reported approximately two (2) barrels of liquids were released due to this incident. Activities included site assessment, sample collection and analysis, excavation, site restoration, waste disposal, documentation, and reporting.

ACTIVITIES PERFORMED

Envirotech, Inc. was contacted on March 12, 2013, with a request to respond to a release of the liquids associated with wet natural gas that occurred at the above referenced location. Prior to Envirotech personnel mobilizing to the site, a New Mexico one call was placed and a brief site assessment was conducted. Due to the site being located on the Jicarilla Apache Indian Reservation, the cleanup standards for the site were determined to be 100 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors.

Upon arrival to the site on March 14, 2013, the impacted area was estimated to be approximately 25 feet long by 30 feet wide (north of the meter house) and 20 feet long by five (5) feet wide (east of the meter house); see enclosed Figure 2, Site Map - Initial Assessment 03/14/2013. One (1) sample was collected from the surface of the impacted area. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector (PID). The sample returned results above the regulatory standard for TPH and for organic vapors; see Table 1, Summary of Analytical Results and Appendix A, Analytical Results. The impacted area was then divided in three (3) sections; see enclosed Figure 2, Site Map - Initial Assessment 03/14/2013. Section 1 was then excavated to the extents of 20 feet by five (5) feet by one (1) foot deep. One (1) composite sample was collected from the bottom and walls of the excavation; see enclosed Figure 2, Site Map - Initial Assessment 03/14/2013. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. The sample returned results above the regulatory standard for TPH, but below the regulatory standard for organic vapors. Additionally, the sample collected from Section 1 was placed into a four (4)-ounce glass jar, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015 and for benzene and total BTEX using USEPA Method 8021. The sample returned results below the regulatory standard for all constituents analyzed; see Table 1, Summary of Analytical Results.

Enterprise Products Spill Assessment and Closure Report Jicarilla D #4 Project Number 97057-0550 March 2013 Page 2

Envirotech, Inc. returned on March 15, 2013 to continue spill cleanup activities. Upon Envirotech personnel's arrival, Section 2 was excavated to extents of approximately 25 feet by 15 feet by 18 inches deep; see enclosed Figure 3, Site Map - Confirmation Sampling 03/15/2013. One (1) composite sample was collected from the excavation. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. The sample returned results above the regulatory standard for TPH, but below the regulatory standard for organic vapors. Additionally, the sample collected from the excavation in Section 2 was placed into a four (4)-ounce glass jar, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015 and for benzene and total BTEX using USEPA Method 8021. The sample returned results below the regulatory standard for all constituents analyzed; see Table 1, Summary of Analytical Results and Appendix A, Analytical Results.

Envirotech, Inc. returned on March 18, 2013 to complete spill cleanup activities. Upon Envirotech personnel's arrival, Section 3 was excavated to extents of approximately 17 feet by 19 feet by three (3) feet deep. The excavation was sloped in the northern section, with no north wall present. The east wall of the excavation was one (1) foot wide to support the meter pipe between the excavations of Section 2 and Section 3. Five (5) samples were then collected from the excavation in Section 3; one (1) from the south wall, one (1) from the east wall, one (1) from the west wall and one (1) each from the south side and north side of the excavation bottom. All samples were analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID; see enclosed *Table 1*, *Summary of Analytical Results* and *Appendix A*, *Analytical Results*. All samples, except the samples collected from the south and east walls of the excavation, returned results above the regulatory standard for organic vapors. All samples, except the sample collected from the south wall of the excavation, returned results above the regulatory standard for TPH.

Section 3 was further excavated in the north, west, east and bottom directions to the final extents of 21 feet by 22 feet by four (4) feet deep; see enclosed Figure 3, Site Map - Confirmation Sampling 03/18/2013. The east wall, separating Section 2 and Section 3, was removed. Three (3) composite samples were collected; one (1) from the west wall, one (1) each from the south side and north side of the excavation bottom. All samples were analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. All samples returned results below the regulatory standard for all constituents analyzed; see enclosed Table 1, Summary of Analytical Results and Appendix A, Analytical Results.

Upon completion of excavation activities, the site was recontoured as specified by the Jicarilla Apache Indian Reservation. The clean soil used to backfill the excavation was collected from a soil pile located at the intersection of Road J6 and Highway 550.

Approximately 59 cubic yards of contaminated soil were transported to Envirotech's New Mexico Oil Conservation Division (NMOCD) permitted soil remediation facility, Landfarm 2,

Enterprise Products Spill Assessment and Closure Report Jicarilla D #4 Project Number 97057-0550 March 2013 Page 3

located near Hilltop, New Mexico; see Appendix B, Bills of Lading. Envirotech, Inc. recommends no further action in regards to this incident.

SUMMARY AND CONCLUSIONS

Spill assessment and confirmation sampling activities were performed for a release of the liquids asociated with wet natural gas from the Jicarilla D #4 well site located in Section 36, Township 24 North, Range 5 West, Rio Arriba County, New Mexico. Approximately 59 cubic yards of contaminated soil were transported to Envirotech's NMOCD permitted soil remediation facility, Landfarm 2. The site was recontoured as specified by the Jicarilla Apache Indian Reservation. Envirotech, Inc. recommends no further action in regards to this incident.

STATEMENT OF LIMITATIONS

Envirotech, Inc. has completed spill assessment and confirmation sampling activities for a release of the liquids associated with wet natural gas from the Jicarilla D #4 well site located in Section 36, Township 24 North, Range 5 West, Rio Arriba County, New Mexico. The work and services provided by Envirotech, Inc. were in accordance with the NMOCD standards and the Jicarilla Apache Indian Reservation requirements. All observations and conclusions provided here are based on the information and current site conditions found at the site of the incident.

The undersigned has conducted this service at the above referenced site; this work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,

Reviewed by:

ENVIROTECH, INC.

Rene Garcia Reyes Senior Field Technician rgarcia@envirotech-inc.com Greg Crabtree, PE Environmental Manager

gcrabtree@envirotech-inc.com

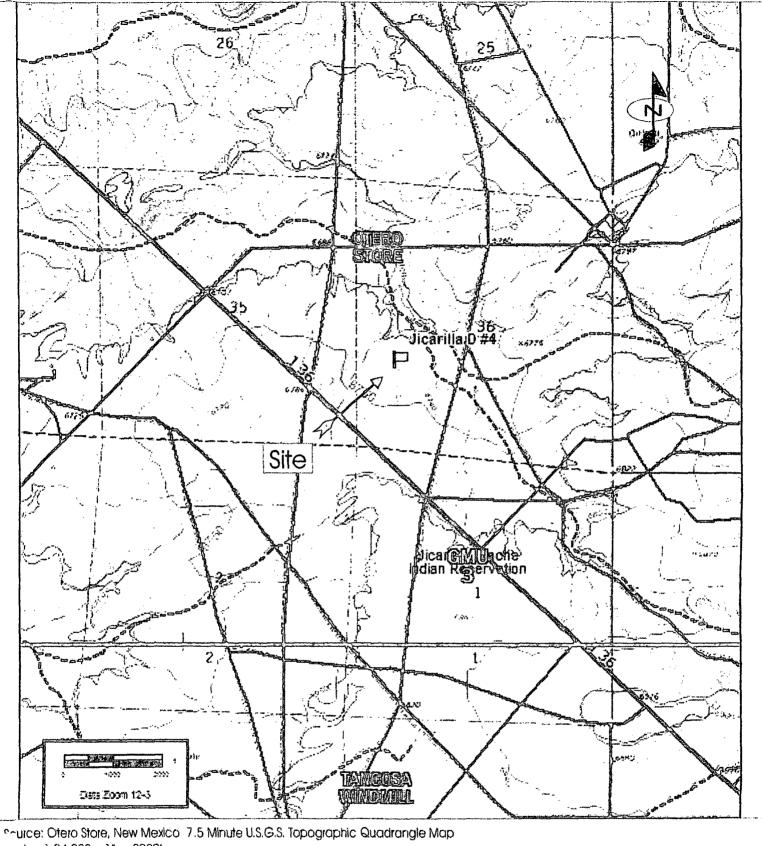
FIGURES

Figure 1, Vicinity Map

Figure 2, Site Map – Initial Assessment 03/14/2013

Figure 3, Site Map – Confirmation Sampling 03/15/2013

Figure 4, Site Map – Confirmation Sampling 03/18/2013



ale: 1:24,000 1" = 2000"

Enterprise Products oill Assessment and Closure Report Jicarilla D #4 Rio Arriba County, New Mexico

OJECT No 97057-0550 | Date Drawn: 4/2/13

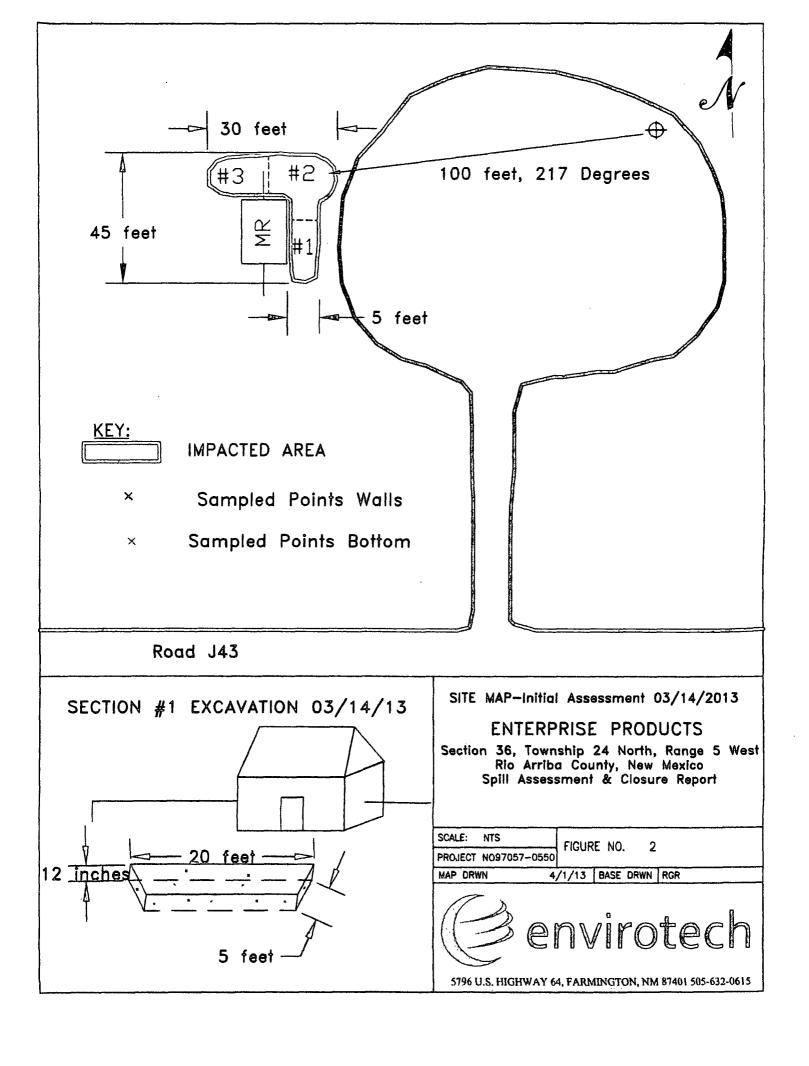


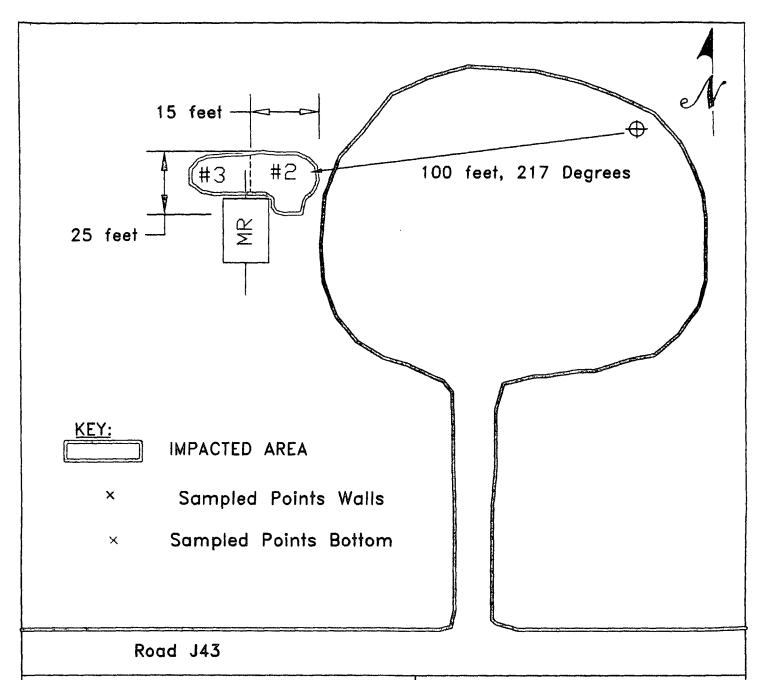
5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615

Vicinity Map

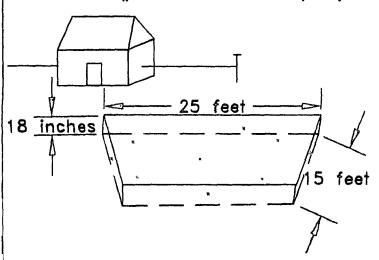
Figure 1

DRAWN BY: Rene Garcia Reyes PROJECT MANAGER: Greg Crabtree









SITE MAP—Confirmation Sampling 03/15/2013

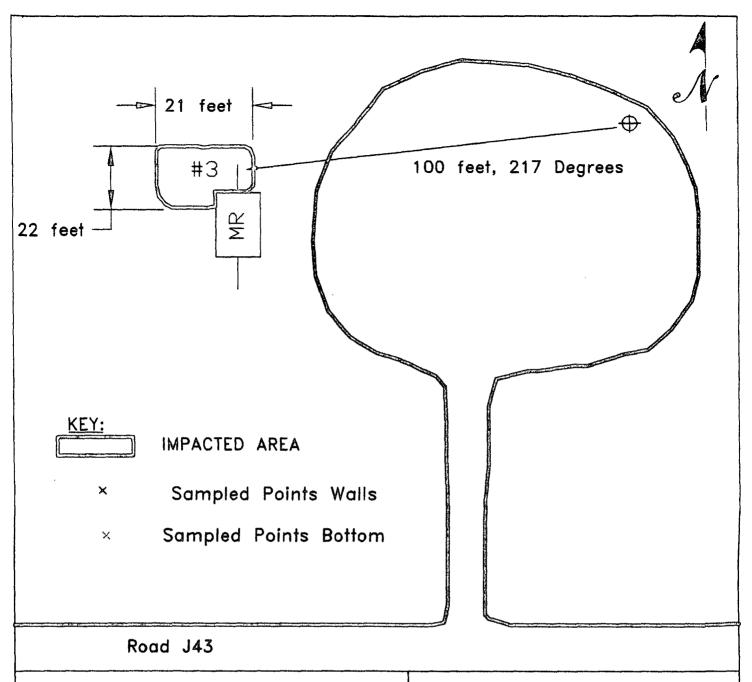
ENTERPRISE PRODUCTS

Section 36, Township 24 North, Range 5 West Rio Arriba County, New Mexico Spill Assessment & Closure Report

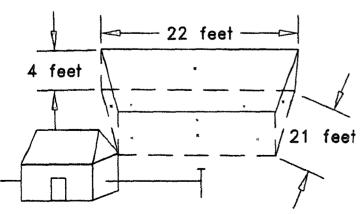
| SCALE: NTS | FIGURE NO. 3 | |
|----------------------|----------------------|--|
| PROJECT N097057-0550 | o risone ivo. | |
| MAP DRWN ' | 4/2/13 BASE DRWN RGR | |



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615



SECTION #3 EXCAVATION 03/18/13



SITE MAP-Confirmation Sampling 03/18/2013

ENTERPRISE PRODUCTS

Section 36, Township 24 North, Range 5 West Rio Arriba County, New Mexico Spill Assessment & Closure Report

SCALE: NTS FIGURE NO. 4

PROJECT N097057-0550

MAP DRWN 4/2/13 BASE DRWN RGR



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

TABLES

Table 1, Summary of Analytical Results

Table 1, Summary of Analytical Results

Enterprise Products
Jicarilla Apache D #4

Spill Assessment and Closure Report Project Number 97057-0550

| | | | | USEPA Method | USEPA Method | USEPA Me | thod 8021 |
|-----------|-----------------------------|--------------------|---------|---------------------|--------------|----------|-----------|
| | | Sample | PID OV | 418.1 TPH | 8015 TPH | Benzene | BIEX |
| Date | Sample Description | Number | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| | New Mexico Oil Conservation | | | | | | |
| NA | Division Standards | NA | 100 | 100 | 100 | 10 | 50 |
| 3/14/2013 | Surface Composite | 1 | 107 | 10300 | NS | NS | NS |
| 3/14/2013 | Section #1 | 2 | 19.5 | 772 | 28.5 | ND ND | 0.272 |
| 3/15/2013 | #2 @ 18" BGS | हिंडील ह | 17(**) | 132 | ND | ND | ·ND |
| 3/18/2013 | South Wall | ₹\$ 1 , 651 | 11.4 | 76 | NS NS | NS | NS |
| 3/18/2013 | East Wall | 2 | 37 | 200 | NS | NS | NS |
| 3/18/2013 | West Wall | 3 | 245 | 2120 | NS | NS | NS |
| 3/18/2013 | South Bottom | 4 | 1060 | 4000 | NS | NS | NS |
| 3/18/2013 | North Bottom | 5 | 1090 | 2000 | NS | NS | NS |
| 3/18/2013 | West Wall 2 | <i>.</i> 6 | 5.5 | 28 | NS | NS/ | NS |
| 3/18/2013 | South Bottom 2 | 7 | 3.1 | 20 | NS | NS | NS |
| 3/18/2013 | North Bottom 2 | 8 | 25.4 | 76 | NS | NS | NS |

^{*}Values in **BOLD** above regulatory limits
*Closure Sample

*NS - Parameter not sampled *ND - Parameter not detected



Client:

Enterprise Products

Project #:

97057-0550

Sample No.:

1

Date Reported:

4/25/2013

Sample ID:

Surface Composite

Date Sampled:

3/14/2013

Sample Matrix:

Soil

Date Analyzed:

0/14/2010

Preservative:

Cool

Analysis Needed:

3/14/2013 TPH-418.1

Condition:

Cool and Intact

| | | Det. |
|-----------|---------------|---------|
|] | Concentration | Limit |
| Parameter | (mg/kg) | (mg/kg) |

Total Petroleum Hydrocarbons

10,300

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis

of Water and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla Apache D #4

Instrument calibrated to 500 ppm standard and zeroed before each sample.

Analyst

Review

Felipe Aragon, CES

Printed

Toni McKnight, EIT



Client:

Enterprise Products

97057-0550

Sample No.:

2

Date Reported: 4/25/2

Sample ID:

Section #1

4/25/2013

Sample Matrix:

Soil

Date Sampled: 3/14/2013

Preservative:

Cool

Date Analyzed: Analysis Needed:

Project #:

3/14/2013 TPH-418.1

Condition:

Cool and Intact

| | وماري وغيورة ويرمانه ومعاور وبارو المنافي وماني والماروون الماروة والمنافة والمنافة والمنافة والمنافق | Det. |
|-----------|---|---------|
| | Concentration | Limit |
| Parameter | (mg/kg) | (mg/kg) |

Total Petroleum Hydrocarbons

772

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis

of Water and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla Apache D #4

Instrument calibrated to 500 ppm standard and zeroed before each sample.

Analyst

Review

Felipe Aragon, CES

Printed

Toni McKnight, EIT



CONTINUOUS CALIBRATION EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Cal. Date:

14-Mar-13

| Parameter | Standard Concentration mg/L | Concentration Reading mg/L | |
|-----------|-----------------------------------|----------------------------------|--|
| ТРН | 100 | | |
| | 200 | | |
| | 500 | 484 | |
| | 1000 | | |

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

| - Celizo | Anon |
|----------|------|
| Analyst | |

4/16/2013

Felipe Aragon, CES

Print Name

Review Mcliny

4/16/2013

Date

Date

Toni McKnight, EIT

Print Name



Analytical Report

Report Summary

Client: Enterprise Products

Chain Of Custody Number: 15298

Samples Received: 3/14/2013 5:09:00PM

Job Number: 97057-0550 Work Order: P303047

Project Name/Location: Spill Clean up/ Jicarilla

Apache D #4

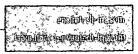
Tim Cain, Laboratory Manager

Entire Report Reviewed By:

Date:

3/19/13

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.





Analyical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| Section 1 | P303047-01A | Soil | 03/14/13 | 03/14/13 | Glass Jar, 4 oz. |

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

more grandstater and the control of the control of



Section 1 P303047-01 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|-------|----------|---------|-----------|-----------|-----------|-------|
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 49.9 | ug/L | 1 | 1311031 | 15-Mar-13 | 15-Mar-13 | EPA 8021B | |
| Toluene | ND | 49.9 | ug/L | 1 | 1311031 | 15-Mar-13 | 15-Mar-13 | EPA 8021B | |
| Ethylbenzene | ND | 49.9 | ug/L | 1 | 1311031 | 15-Mar-13 | 15-Mar-13 | EPA 8021B | |
| p,m-Xylene | 219 | 49.9 | ug/L | 1 | 1311031 | 15-Mar-13 | 15-Mar-13 | EPA 8021B | |
| o-Xylene | 53.3 | 49.9 | ug/L | 1 | 1311031 | 15-Mar-13 | 15-Mar-13 | EPA 8021B | |
| Total BTEX | 272 | 49.9 | ug/L | 1 | 1311031 | 15-Mar-13 | 15-Mar-13 | EPA 8021B | |
| Surrogate: Bromochlorobenzene | | 96.2 % | 80 | 120 | 1311031 | 15-Mar-13 | 15-Mar-13 | EPA 8021B | |
| Surrogate: 1,4-Difluorohenzene | | 98.9 % | 80- | 120 | 1311031 | 15-Mar-13 | 15-Mar-13 | EPA 8021B | |
| Surrogate: Fluorobenzene | | 94.6 % | 80- | 120 | 1311031 | 15-Mar-13 | 15-Mar-13 | EPA 8021B | |
| Nonhalogenated Organics by 8015 | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | 5.2 | 5.0 | mg/kg | 1 | 1311032 | 15-Mar-13 | 18-Mar-13 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | 23.3 | 5.0 | mg/kg | 1 | 1311032 | 15-Mar-13 | 18-Mar-13 | EPA 8015D | |
| GRO and DRO Combined Fractions | 28.5 | 5.0 | mg/kg | 1 | 1311032 | 15-Mar-13 | 18-Mar-13 | EPA 8015D | |

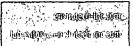
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|--------------------|-------|----------------|------------------|-----------|----------------|------|---------------------------------------|-------|
| Batch 1311031 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Blank (1311031-BLK1) | | | | Prepared & | & Analyzed: | 15-Mar-13 | | | | |
| Benzene | ND | 49.6 | ug/L | | | | | | · · · · · · · · · · · · · · · · · · · | |
| Toluene . | ND | 49.6 | n | | | | | | | |
| Ethylbenzene | ND | 49.6 | n | | | | | | | |
| p.m-Xylene | ND | 49.6 | n | | | | | | | |
| o-Xylene | ND | 49.6 | 4 | | | | | | | |
| Total BTEX | ND | 49.6 | ** | | | | | | | |
| Surrogate: Bromochlorobenzene | 50.2 | | " | 50.0 | | 100 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 50.4 | | ** | 50.0 | | 101 | 80-120 | | | |
| Surrogate: Fluorobenzene | 38.0 | | " | 50.0 | | 76.0 | 80-120 | | | S |
| Duplicate (1311031-DUP1) | Sou | rce: P303047- | 01 | Prepared & | Analyzed: | 15-Mar-13 | | | | |
| Benzene | ND | 49.6 | ug/L | | ND | | | | 30 | |
| Toluene | ND | 49.6 | 0 | | ND | | | | 30 | |
| Ethylbenzene | ND | 49.6 | u | | ND | | | | 30 | |
| p,m-Xylene | 345 | 49.6 | • | | 219 | | | 44.8 | 30 | DI |
| o-Xylene | 78.2 | 49.6 | ** | | 53.3 | | | 37.8 | 30 | DI |
| Surrogate: Bromochlorobenzene | 51.9 | | 27 | 50.0 | | 104 | 80-120 | · | | |
| Surrogate: 1,4-Difluorobenzene | 49.7 | | ** | 50.0 | | 99.4 | 80-120 | | | |
| Surrogate: Fluorobenzene | 37.9 | | n | 50.0 | | 75.8 | 80-120 | | | .5 |
| Matrix Spike (1311031-MS1) | Sou | rce: P303047- | 01 | Prepared & | k Analyzed: | 15-Mar-13 | | | | |
| Benzene | 25.0 | | ug/L | 50.0 | 0.37 | 49,3 | 39-150 | | | , |
| Toluene | 47.6 | | u | 50,0 | 0.42 | 94.4 | 46-148 | | | |
| Ethylbenzene | 48.9 | | ч | 50.0 | 0.31 | 97.1 | 32-160 | | | |
| p,m-Xylene | 99.9 | | n | 100 | 4.37 | 95.5 | 46-148 | | | |
| o-Xylene | 50,9 | | 7 | 50.0 | 1.07 | 99.8 | 46-148 | | | |
| Surrogate: Bramochlorobenzene | 48.0 | | " | 50.0 | | 96.1 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 48.1 | | * | 50.0 | | 96.3 | 80-120 | | | |
| Surrogate: Fluorohenzene | 33.9 | | ** | 50.0 | | 67.8 | 80-120 | | | S |

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

and a substantial of the color of the color



Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------------|--------------|--------------------|----------|----------------|------------------|-----------|----------------|------|--------------|-------|
| Batch 1311032 - GRO/DRO Extraction | on EPA 3550C | | <u>.</u> | | | | | | | |
| Blank (1311032-BLK1) | | | | Prepared: | 15-Mar-13 | Analyzed: | 18-Mar-13 | | | |
| Gasoline Range Organics (C6-C10) | ND | 5.0 | mg/kg | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 5.0 | D | | | | | | | |
| GRO and DRO Combined Fractions | ND | 5.0 | u | | | | | | | |
| Duplicate (1311032-DUP1) | Sou | rce: P303047- | 01 | Prepared: | 15-Mar-13 | Analyzed: | 18-Mar-13 | | | |
| Gasoline Range Organics (C6-C10) | 5.6 | 5.0 | mg/kg | | 5.2 | | | 7.47 | 30 | |
| Diesel Range Organics (C10-C28) | 22.6 | 5.0 | • | | 23.3 | | | 2.98 | 30 | |
| Matrix Spike (1311032-MS1) | Sou | rce: P303047- | 01 | Prepared: | 15-Mar-13 | Analyzed: | 18-Mar-13 | | | |
| Gasoline Range Organics (C6-C10) | 255 | | mg/L | 250 | 4.9 | 99.9 | 75-125 | | | |
| Diesel Range Organics (C10-C28) | 210 | | ** | 250 | 22.1 | 75.3 | 75-125 | | | |

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.





Notes and Definitions

| S2 | Surrogate recovery was below acceptable limits. |
|-----|--|
| DI | Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds 30%. |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



| A: . | 1 | | IO NIAF | r C | U 3 | | | Y | | | C |) F | | | | | 4 | IJΖ | 98 | • | | |
|-----------------------------------|----------------|----------------|------------------------|----------|--------------------|-------------------------|----------------|----------|-------------------|--------------------|-------------------|---------------|----------------|--------|---------------|----------------|-------------|----------|----|-------|-------------|---------------|
| Client: Exhalise Dash | ich | Pr | roject Name / Location | on: | 5,000 | 116 | A | , PoC | 6 | \sim | # | 4 | A | NALY | ′S IS | / PAF | RAM | ETER | s | | | |
| Email results to: | | l Sa | ampler Name: | • | | | <i></i> | | | , , | l i | | | | | _ | | | | | | |
| Client Phone No. | | CI | ient No.: | د ص | 5 | 1 | - | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | | TCLP with H/P | CO Table 910-1 | 18.1) | RIDE | | | Cool | intact |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | No.∕ | Volume ntainers | Pr HgCl ₂ | eservat HCI | ive | трн (Л | BTEX | NOC (I | RCRA | Cation | EG. | TCLP | CO Tal | TPH (418.1) | CHLORIDE | | | Sample Cool | Sample Intact |
| Section 1 | 3-1413 | 15740 | P303047-01A | <i>J</i> | 402 | | | メ | メ | X | | | | | | | | | | | Y | Y |
| | | | | | | | | | | | | | | - | | | | | | | | |
| • | | | | | | | • | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | ` | | | | | | | | | | | _ | | | |
| | | | | | | | | | | | | | | | | | | | - | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Relinquidhed by: (Signature) | | | | Date | Time | Recei | red h | v: (Si | nnati | ure) | | | \downarrow | | | | | · | | Date | 1 179 | me |
| 2 | | | | | 31709 | | | | | | | | | ر م | , | · | | | | 3/14/ | 1 | |
| | | | | | | Receiv | red b | y: (Si | gnatu | ıre) | | | | | | | | | | | | |
| Sample Matrix Soil Solid Sludge A | queous 🗌 | Other [| l | | | | | | | | | | | | | | | | | | | |
| Sample(s) dropped off after ho | ours to seci | ure drop o | ff area. | 3 e | Anal | I C |) T | e (| itory | / | | | | | | | | | | | | |



Client:

Enterprise Products

Project #:

97057-0550

Sample No.:

1

Date Reported:

4/10/2013

Sample ID:

#2 @ 18 "

neponeu.

4/10/2013

Sample Matrix:

Soil

Date Sampled:

3/15/2013

Preservative:

Cool

Date Analyzed: Analysis Needed: 3/15/2013 TPH-418.1

Condition:

Cool and Intact

| | | Det. |
|-----------|---------------|---------|
| | Concentration | Limit |
| Parameter | (mg/kg) | (mg/kg) |

Total Petroleum Hydrocarbons

132

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis

of Water and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla Apache D #4

Instrument calibrated to 500 ppm standard and zeroed before each sample.

Analyst

Review

Rene Garcia Reyes

Printed

Toni McKnight, EIT

Printed

envirotedi-fite.com



CONTINUOUS CALIBRATION EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

| Cal | 1 | \Box | +0. |
|-----|------|--------|-----|
| L A | 1. 1 | ιJa | IE. |

15-Mar-13

| Parameter | Standard Concentration mg/L | Concentration Reading mg/L | |
|-----------|-----------------------------------|----------------------------------|--|
| ТРН | 100 | | |
| | 200 | | |
| | 500 | 500 | |
| | 1000 | | |

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

| DB2 | 4/10/2013 |
|------------------------------|-----------|
| Analyst | Date |
| Rene Garcia Reyes Print Name | |
| Tani Mily | 4/10/2013 |
| Review | Date |

Toni McKnight, EIT

Print Name



Analytical Report

Report Summary

Client: Enterprise Products

Chain Of Custody Number: 15304

Samples Received: 3/15/2013 5:50:00PM

Job Number: 97057-0550

Work Order: P303056

Project Name/Location: Jicarilla Apache D

#4/Meter Run Cleanup

Entire Report Reviewed By:

Date:

3/19/13

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.





Analyical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| #2 @ 18" | P303056-01A | Soil | 03/15/13 | 03/15/13 | Glass Jar, 4 oz. |

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.





#2 @ 18" P303056-01 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|-------|----------|---------|-----------|-----------|------------|-------|
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 50.0 | ug/L | 1 | 1312001 | 18-Mar-13 | 18-Mar-13 | EPA 8021B | |
| Toluene | ND | 50.0 | ug/L | 1 | 1312001 | 18-Mar-13 | 18-Mar-13 | EPA 8021B | |
| Ethylbenzene | ND | 50.0 | ug/L | 1 | 1312001 | 18-Mar-13 | 18-Mar-13 | EPA 8021B | |
| p,m-Xylene | ND | 50.0 | ug/L | 1 | 1312001 | 18-Mar-13 | 18-Mar-13 | EPA 8021B | |
| o-Xylene | ND | 50.0 | ug/L | 1 | 1312001 | 18-Mar-13 | 18-Mar-13 | EPA 8021B | |
| Total BTEX | ND | 50.0 | ug/L | 1 | 1312001 | 18-Mar-13 | 18-Mar-13 | EPA 8021B | |
| Surrogate: Bromochlorobenzene | | 103 % | 80- | 120 | 1312001 | 18-Mar-13 | 18-Mar-13 | EPA 8021B | |
| Surrogate: 1,4-Difluorobenzene | | 98.1 % | 80- | 120 | 1312001 | 18-Mar-13 | 18-Mar-13 | EPA 8021B | |
| Surrogate: Fluorobenzene | | 102 % | 80- | 120 | 1312001 | 18-Mar-13 | 18-Mar-13 | EP.4 8021B | |
| Nonhalogenated Organics by 8015 | | | | | | | | · | |
| Gasoline Range Organics (C6-C10) | ND | 5.0 | mg/kg | 1 | 1312002 | 18-Mar-13 | 18-Mar-13 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | ND | 5.0 | mg/kg | 1 | 1312002 | 18-Mar-13 | 18-Mar-13 | EPA 8015D | |
| GRO and DRO Combined Fractions | ND | 5.0 | mg/kg | 1 | 1312002 | 18-Mar-13 | 18-Mar-13 | EPA 8015D | |

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.





Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|--------------------|-------|---|------------------|-------------|----------------|---|---|-------|
| Batch 1312001 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Blank (1312001-BLK1) | | | | Prenared & | : Analyzed: | 18-Mar-13 | ···· | | | |
| Benzene | ND | 50.0 | ug/L | 1 repared to | 7 0101 200. | to-Iviai-15 | | | | |
| Toluene | ND | 50.0 | 0 | | | | | | | |
| Ethylbenzene | ND | 50.0 | | | | | | | | |
| p,m-Xylene | ND | 50.0 | ** | | | | | | | |
| o-Xylene | ND | 50.0 | μ | | | | | | | |
| Total BTEX | ND | 50.0 | ч | | | | | | | |
| Surrogate: Bromochlorobenzene | 50.6 | | " | 50.0 | | 101 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 48.7 | | | 50.0 | | 97.5 | 80-120 | | | |
| Surrogate: Fluorohenzene | 50.5 | | " | 50.0 | | 101 | 80-120 | | | |
| Duplicate (1312001-DUP1) | Sou | rce: P303056- | 01 | Prepared & | : Analyzed: | 18-Mar-13 | | | | |
| Benzene | ND | 50.0 | ug/L | *************************************** | ND | | | | 30 | |
| Toluene | ИD | 50.0 | " | | ND | | | | 30 | |
| Ethylbenzene | ND | 50.0 | | | ND | | | | 30 | |
| p,m-Xylene | ND | 50,0 | 61 | | ND | | | | 30 | |
| n-Xylene | ND | 50.0 | 4 | | ИD | | | | 30 | |
| Surrogate: Bromochlorobenzene | 51.2 | | ~ | 50.0 | | 102 | 80-120 | *************************************** | | |
| Surrogate: 1,4-Difluorobenzene | 48,2 | | ,, | 50.0 | | 96.5 | 80-120 | | | |
| Surrogate: Fluorobenzene | 49.8 | | " | 50.0 | | 99.6 | 80-120 | | | |
| Matrix Spike (1312001-MS1) | Sou | rce: P303056- | 01 | Prepared & | : Analyzed: | 18-Mar-13 | | | | |
| Benzene | 15.8 | | ug/L | 50.0 | 0.20 | 31.2 | 39-150 | **** | *************************************** | SP1 |
| Toluene | 50.8 | | n | 50.0 | 0.52 | 101 | 46-148 | | | |
| Ethylbenzene | 50.6 | | * | 50.0 | 0.10 | 101 | 32-160 | | | |
| p.m-Xylene | 101 | | " | 100 | 0.70 | 100 | 46-148 | | | |
| o-Xylene | 50.7 | | • | 50,0 | 0.37 | 101 | 46-148 | | | |
| Surrogate: Bromochlorobenzene | 51.6 | | " | 50.0 | | 103 | 80-120 | | ···· | |
| Surrogate: 1,4-Difluorobenzene | 48.6 | | a · | 50.0 | | 97.2 | 80-120 | | | |
| Surrogate: Fluorobenzene | 48.6 | | " | 50.0 | | 97.2 | 80-120 | | | |

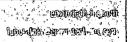
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



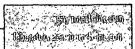


Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|------------------------------------|--------------|--------------|-------|------------|-------------|-----------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1312002 - GRO/DRO Extraction | on EPA 3550C | | | - | | | | | | |
| Blank (1312002-BLK1) | | | | Prepared & | : Analyzed: | 18-Mar-13 | | | | |
| Gasoline Range Organics (C6-C10) | ND | 5.0 | mg/kg | | | | | | | |
| Diesel Range Organics (C10-C28) | . ND | 5.0 | 4 | | | | | | | |
| GRO and DRO Combined Fractions | ND | 5.0 | В | | | | | | | |
| Duplicate (1312002-DUP1) | Sour | ce: P303056- | 01 | Prepared & | : Analyzed: | 18-Mar-13 | l | | | |
| Gasoline Range Organics (C6-C10) | ND | 5.0 | mg/kg | | ND | | | | 30 | |
| Diesel Range Organics (C10-C28) | ND | 5.0 | n | | ND | | | | 30 | |
| Matrix Spike (1312002-MS1) | Sour | e: P303056- | 01 | Prepared & | Analyzed: | 18-Mar-13 | | | | |
| Gasoline Range Organics (C6-C10) | 207 | | mg/L | 250 | 0.5 | 82.7 | 75-125 | | | |
| Diesel Range Organics (C10-C28) | 208 | | | 250 | 4.6 | 81.2 | 75-125 | | | |

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.





Notes and Definitions

SP1 The spike recovery for this QC sample is outside of control limits.

DET Analyte DETECTED

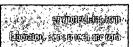
ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



CHAIN OF CUSTODY RECORD

15304

| Client: Enterp | ٠٠٠٠٥٥ | Pro | ject Name / Locati | on: Jacob | e D | 144 | 1/1 | lete | P.C | 12, | ~ (| Lec | مدر | D NAL | YSIS | / PAI | RAMI | ETEF | is | | | | Page 7 |
|--|--|----------------|---|-----------------|--------------------|-------------------------|---------------|------------|-----------------------------|--------------|--------------|--------|----------------|----------|---------|--|-------------|--------|--------|------|-----|-------------|---------------|
| Email results to: - 90 Y CVA @ 24Y (V) Client Phone No.: Sample No./ Identification | retect-i | Sar Clie | npler Name: Rower G ent No.: 9 70 5 7 - 7 | 155 | 5 T | کوبر <u>ہ</u> | బ | | ethod 8015) | Method 8021) | lethod 8260) | Metals | , Anion | | ith H/P | le 910-1 | 18.1) | IDE | | | | C90 | Intact |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | No./ of Co | Volume ntainers | Pr HgCl ₂ | eserva HCi | tive | TPH (M | втех (І | VOC (N | RCRA 8 | Cation / | PC. | TCLP w | CO Tab | TPH (4 | CHLOR | | | | Sample Cool | Sample Intact |
| #2@18" | 3-15-13 | 12:50 | 13030576-01 | Ć. | -02 | | | X | Х | | | | | | | | | | | | Į, | 1 | X |
| | | | | | | | | | | | | | | | | | | | | | | - | _ |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | - | | | | | | | | | | | | | | | | - | _ |
| | | | | | <u></u> | | | | | | | | | | | | | | | | | | - |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | <u> </u> | | | | | | , | | | | | | | | | - | - | - |
| Relinquished by: (Signature) | <u> </u> | DOW | <i>→</i> 5. | Date 3-15-13 | Time /7.50 | Recei | ved b | ıy: (Si | لـــــــــ gnat <u>ı</u> | Ure) | | ۲ ، ۲ | - ر | | | | | | | De | ite | Tim 7:5 | _ |
| Relinquished by: (Signature) | | 1 | | | | Recei | ved b | y: (Si | gnati | ure) | | • | | | | ······································ | | | | | | | |
| Sample Matrix Soil ☑ Solid ☐ Sludge ☐ | Aqueous 🗌 | Other 🗀 | | | · | | | | | | | | | | | | | | | | | | - |
| Sample(s) dropped off after | hours to sec | ure drop off | area. | 3 € | P N V Ana | Î [€ lytice | ol La | ⊜ € |) itory | | | | | | | | | | | | | | |
| 5795 US Highway 64 | • Farmingto | n, NM 87401 | • 505-632-0615 • T | hree Spri | ngs • 65 I | Mercac | do Stre | et, Su | uite 1 | 15, Du | urang | o, C | O 813 | 101 • | labor | atory | ©en\ | virote | ch-inc | .com | | | |



Client:

Enterprise Products

Project #:

97057-0550

Sample No.:

1

Date Reported:

4/10/2013

Sample ID:

South Wall

Date Sampled:

3/18/2013

Sample Matrix:

Soil

Date Analyzed:

3/18/2013

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition: Cool and Intact

| | | Det. |
|-----------|---------------|---------|
| | Concentration | Limit |
| Parameter | (mg/kg) | (mg/kg) |

Total Petroleum Hydrocarbons

76

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis

of Water and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla Apache D #4

Instrument calibrated to 500 ppm standard and zeroed before each sample.

Analyst

Review

Rene Garcia Reyes

Printed

Toni McKnight, EIT



Client:

Enterprise Products

97057

97057-0550

Sample No.:

2

Project #:
Date Reported:

4/10/2013

Sample ID:

East Wall

Date Sampled: 3/18/

3/18/2013

Sample Matrix:

Soil

Date Analyzed:

3/18/2013

Preservative:

Condition:

Cool and Intact

Analysis Needed: TPH-418.1

| | | Det. |
|-----------|---------------|---------|
| | Concentration | Limit |
| Parameter | (mg/kg) | (mg/kg) |

Total Petroleum Hydrocarbons

200

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis

of Water and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla Apache D #4

Instrument calibrated to 500 ppm standard and zeroed before each sample.

Analyst

Review

Rene Garcia Reyes

Printed

Toni McKnight, EIT



Client:

Enterprise Products

Q.

97057-0550

Sample No.: Sample ID:

West Wall

4/10/2013

Sample Matrix:

0....

Date Sampled: 3/18/2013

D "

Soil

Date Analyzed:

Analysis Needed:

Date Reported:

Project #:

3/18/2013 TPH-418.1

Preservative: Condition:

Parameter

Cool and Intact

| | Det. | |
|------|------|--|

Total Petroleum Hydrocarbons

2,120

Concentration

(mg/kg)

5.0

Limit

(mg/kg)

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis

of Water and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla Apache D #4

Instrument calibrated to 500 ppm standard and zeroed before each sample.

Analyst

Review

Rene Garcia Reyes

Printed

Toni McKnight, EIT





Client:

Enterprise Products

Project #:

97057-0550

Sample No.:

Date Reported:

4/10/2013

Sample ID:

South Bottom

Date Sampled:

3/18/2013

Sample Matrix:

Soil

Date Analyzed:

3/18/2013

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

| | | Det. |
|-----------|---------------|---------|
| | Concentration | Limit |
| Parameter | (mg/kg) | (mg/kg) |

Total Petroleum Hydrocarbons

4,000

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis

of Water and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla Apache D #4

Instrument calibrated to 500 ppm standard and zeroed before each sample.

Analyst

Review

Rene Garcia Reyes

Printed

Toni McKnight, EIT



Client:

Enterprise Products

Project #:

97057-0550

Sample No.:

Date Reported:

4/10/2013

Sample ID:

Date Sampled:

Analysis Needed:

3/18/2013

Sample Matrix:

Soil

Date Analyzed:

3/18/2013 TPH-418.1

Preservative: Condition:

Cool Cool and Intact

North Bottom

| | | Det. |
|-----------|---------------|---------|
| | Concentration | Limit |
| Parameter | (mg/kg) | (mg/kg) |

Total Petroleum Hydrocarbons

2,000

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis

of Water and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla Apache D #4

Instrument calibrated to 500 ppm standard and zeroed before each sample.

Analyst

Rene Garcia Reyes

Toni McKnight, EIT

Printed



Client:

Enterprise Products

Project #:

97057-0550

Sample No.:

6

Date Reported:

4/10/2013

Sample ID:

West Wall 2

Date Sampled:

3/18/2013

Sample Matrix:

Soil

Date Analyzed:

3/18/2013

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

| | | Det. |
|-----------|---------------|---------|
| | Concentration | Limit |
| Parameter | (mg/kg) | (mg/kg) |

Total Petroleum Hydrocarbons

28

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis

of Water and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla Apache D #4

Instrument calibrated to 500 ppm standard and zeroed before each sample.

Analyst

Review

Rene Garcia Reyes

Printed

Toni McKnight, EIT



Client:

Enterprise Products

Project #:

97057-0550

Sample No.:

South Bottom 2

Date Reported:

4/10/2013

Sample ID:

Date Sampled:

3/18/2013

Sample Matrix:

Soil

Date Analyzed:

3/18/2013

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

| | | Det. |
|-----------|---------------|---------|
| | Concentration | Limit |
| Parameter | (mg/kg) | (mg/kg) |

Total Petroleum Hydrocarbons

20

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis

of Water and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla Apache D #4

Instrument calibrated to 500 ppm standard and zeroed before each sample.

Analyst

Review

Rene Garcia Reyes

Printed

Toni McKnight, EIT



Client:

Enterprise Products

Project #:

97057-0550

Sample No.:

8

Date Reported:

4/10/2013

Sample ID:

North Bottom 2

Date Sampled:

3/18/2013

Sample Matrix:

Soil

Date Analyzed:

3/18/2013

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

| | | Det. |
|-----------|---------------|---------|
| | Concentration | Limit |
| Parameter | (mg/kg) | (mg/kg) |

Total Petroleum Hydrocarbons

76

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis

of Water and Waste, USEPA Storet No. 4551, 1978.

Comments:

Jicarilla Apache D #4

Instrument calibrated to 500 ppm standard and zeroed before each sample.

Analyst

Review

Rene Garcia Reyes

Printed

Toni McKnight, EIT

Printed

envioued incom



CONTINUOUS CALIBRATION EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

| \sim | - 1 | . E | | | |
|--------|----------|-----|----|-----|---|
| 1 : | \circ | • | 10 | 10 | ٠ |
| | α | | ,, | 177 | |

18-Mar-13

| Parameter | Standard Concentration mg/L | Concentration Reading mg/L | |
|-----------|-----------------------------------|----------------------------------|--|
| TPH | 100 | | |
| | 200 | | |
| | 500 | 522 | |
| | 1000 | | |

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

| KHOZ | 4/10/2013 |
|-------------------|-----------|
| Analyst | Date |
| Rene Garcia Reyes | |
| Print Name | |
| Tan Mynot | 4/10/2013 |
| Review | Date |

Toni McKnight, EIT

Print Name

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

mosail-distortuscoln

APPENDIX B

Bills of Lading

| | envirotec | h |
|--|-----------|---|
|--|-----------|---|

Bill of Lading

MANIFEST # 3/14/13 DATE 97057 OF

JOB # 97057 - 0550

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. POINT OF ORIGIN DESTINATION DRIVER SIGNATURE MATERIAL GRID YDS BBLS COMPANY TRK# TIME Entoprise CONT. LPI 614 1645 mik HA 118 50.1

| "I certify the material hauled from the above location has n | ot been added to or mixed with, and is t | he same material received from the above mentioned Ge | nerator, and |
|--|--|---|--------------|
| that no additional materials have been added." | | | |
| TO A NO DO TEO CO | NAME MIEP HOAT | SIGNATURE This The | |

CHLORIDE TEST

PAINT FILTER TEST

RESULTS:

Certification of above receival & placement

COMPANY CONTACT

PHONE

DATE 3-14-13

NOTES:

Signatures required prior to distribution of the legal document.

LANDFARM

EMPLOYEE:

| (3) | @ | n | \bigvee | 0 | ľ | 0 | ł} | @ | C | h |
|-----|---|---|-----------|---|---|---|----|---|---|---|
|-----|---|---|-----------|---|---|---|----|---|---|---|

Signatures required prior to distribution of the legal document.

Bill of Lading

MANIFEST # 43094

DATE 3-15-13 JOB#47057-0550

| PHONE | E: (505) 632-0615 · 5796 U | .S. HIGHWAY 64 | FARMINGTON | , NEW ME | XICO 8740 |)1 | J | · · · · · · · · · · · · · · · · · · · | _ 500 | ** 0.00 | |
|-----------------------|--|----------------------------|--------------------------------|----------|-----------|--|------------|---------------------------------------|-------|--|-------------|
| LOAD | СОМ | PLETE DESCRIPT | TON OF SHIPME | NT | | | TRANSP | ORTING | COMPA | ٧Y | |
| NO. | POINT OF ORIGIN | DESTINATION | MATERIAL | GRID | YDS | BBLS | COMPANY | TRK# | TIME | DRIVER SIGNATU | RE |
| 2 | 5.1448832 5.6 D-4 | CETT | Seil | V-8 | 11 | | E-fech | 615 | 13:4 | Rickson | BR |
| 23 | ll u | 4 4 | so so | 168 | 12 | | E-tool | 559 | 16:40 | Willoul | |
| 3 | i ^s a | e q | Ø 44 | €'-8 | 10 | | E fech | | | ReleSmy | |
| | | | | | 7 2 | _ | | | | | |
| | | | | | クク | | | | | | |
| | | | | | | | | | | Marie de la companya | |
| | | | | | | | | | | And the second s | |
| | | • | | | · | | | | | | |
| | | | | | | | | | | | |
| £ | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | 10 | - Adequate | | | | : |
| RESULTS | | LANDFARM | 1 | | 7 | F | NOTES: | | | | · |
| -278 | CHLORIDE TEST | EMPLOYEE: | Dave | L | | | | · · · · · · · · · · · · · · · · · · · | | | |
| | PAINT FILTER TEST 1 | | ation of above red | | | | | | | | |
| 'I certify that no ad | he material hauled from the a Iditional materials have been | above location has added." | | | | | | _ | | | or, and |
| TRANSPO | RTER CO. Envirotec | \mathcal{L} . | NAME / | 265 | In the | · was the supplementary of the same of the | SIGNATURE | | | | |
| COMPANY | CONTACT PILL CO. | cter | PHONE | | | | DATE 3 | 15 -1 | ₹ | • | |

Signatures required prior to distribution of the legal document.

Bill of Lading

| MANIFEST # | 43111 |
|------------|-------|
| 7.18.17 | |

| PHONE | E: (505) 632-0615 • 5796 U | .S. HIGHWAY 64 | • FARMINGTON | , NEW ME | XICO 8740 | 01 | DATE | () | _ 10B | # | | |
|-----------|---|----------------|---------------------|----------------|----------------|-------|----------------------|------|-------|--------------------------|--|--|
| LOAD | COMI | PLETE DESCRIPT | TION OF SHIPME | NT | | | TRANSPORTING COMPANY | | | | | |
| NO. | POINT OF ORIGIN | DESTINATION | MATERIAL | GRID | YDS | BBLS | COMPANY TRK# | | TIME | DRIVER SIGNATURE | | |
| 1 | Enterprise Jicarlle Apabe Day | LFI | Contar So:1 | V-7 | 12 | _ | Enviroleca | 559 | 16:14 | Wh | | |
| | V | | | - | | - | | | | | | |
| | | | | | 12 | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | , | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| i | | | | | ~- | 11 | | | | | | |
| RESULTS | CHLORIDE TEST | 4 | NOTES: | | | | | | | | | |
| <u> </u> | PAINT FILTER TEST | Certific | cation of above red | ceival & pla | cement | | | | | | | |
| nat no ad | ne material hauled from the a ditional materials have been | addad " | | | | | | | 1/1 | mentioned Generator, and | | |
| | RTER CO. <u>Envirotect</u> | A | NAME | <u>V. 1100</u> | <u>u 1. le</u> | 1,501 | SIGNATURI | | | Mr | | |
| OMPANY | CONTACT TIMENS W | Ï. | PHONE | 947 - | [[66 | | DATE | 5-18 | -/3 | | | |

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

| | Release Notification and Corrective Action | | | | | | | | | | | | |
|---|---|-----------------|-------------|---------------------------------------|-------------|--|--|---|------------|------------------------------|--|--|--|
| | | | | | OPER | RATOR | | ⊠ Ini | itial Repo | rt | | | |
| | | nterprise Fie | | | | Contact Aaron Dailey | | | | | | | |
| | | venue, Farm | | | | Telephone No. (505)599-2286 | | | | | | | |
| Facility Nar | ne Jicarill | a J-4 Well T | ie Pipelii | ne | I | Facility Type Natural gas well tie line | | | | | | | |
| Surface Ow | ner Jicaril | lla Tribal | | Mineral C |)wner J | icarilla Trit | oal | | API No | | | | |
| | | | | LOCA | ATION | OF REI | LEASE | | | | | | |
| Unit Letter F | Section 19 | Township 26N | Range 5W | Feet from the | North/S | South Line | Feet from the | East/W | Vest Line | County Rio Arriba | | | |
| Latitude_N36.47489 Longitude_W107.40057 (Decimal Degrees) NATURE OF RELEASE | | | | | | | | | | | | | |
| Type of Rele | ase Natura | l gas | <u> </u> | · · · · · · · · · · · · · · · · · · · | | | Release Unknown | n | Volume F | Recovered To be determined | | | |
| Source of Re | | | | | | | lour of Occurrence | Hour of Discovery B @ 09:00 hours by third party Line isolated 5/15/2013 by e. Repairs and environmental ated 5/4/2013. | | | | | |
| Was Immedi | Was Immediate Notice Given? ☐ Yes* ☐ No ☐ Not Required | | | | | | If YES, To Whom? Bryce Hammond and Hobson Sandoval *Immediate notification for any quantity of unauthorized release required by Jicarilla Oil and Gas Administration | | | | | | |
| By Whom? | | | | | | Date and Hour 5/15/2013 @ 11:30 hours | | | | | | | |
| Was a Water | course Read | | Yes ⊠ |] No | | If YES, Volume Impacting the Watercourse. RCVD JUN 10 '13 OIL CONS. DIV. | | | | | | | |
| If a Watercon | urse was Im | pacted, Descr | ibe Fully. | * | | | | | | DIST. 3 | | | |
| Third party p | roducer dis | | eported to | Enterprise a susp | | | Jicarilla J-4 gathe | | | as isolated and removed from | | | |
| Describe Area Affected and Cleanup Action Taken.* Preliminary environmental sampling of soils on June 5 show that the pipeline leak location was dry gas with some impacts to soil. Laboratory soil sampling is taking place at this time and a determination of soil will be made once these results are provided by the laboratory. Enterprise is working with the Jicarilla Environmental Protection Office with a path forward on remediation at this time. A "final" c-141 report will be submitted along with a third party corrective action report once this has been completed. 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: Matt Marra | | | | | | Approved by | Environmental Sp | pecialis | ilfonat | () Kelly | | | |
| Title: Sr. Di | rector, Env | ironmental | | | | Approval Da | te: 7/9/2013 | 3 | Expiration | Date: | | | |
| | | | | | | | Conditions of Approval: Attached | | | | | | |
| | Date: 19-6-76/3 Phone: (713)381-6684 Attach Additional Sheets If Necessary | | | | | | | | | | | | |

4

nJX1319057058



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa Fe, NM 87505 **Release Notification and Corrective Action OPERATOR** Initial Report Final Report Name of Company Enterprise Field Services, LLC Contact Aaron Dailey Address 614 Reilly Avenue, Farmington NM 87401 Telephone No. (505)599-2286 Facility Name Lateral 2C-61 Pipeline Facility Type Natural Gas Gathering line Surface Owner Jicarilla Tribal Mineral Owner Jicarilla Tribal API No. LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County G 33 25N 5W Rio Arriba Latitude_N36.359990__ Longitude_W107.364808 (Decimal Degrees)____ NATURE OF RELEASE Type of Release Natural gas Condensate and Water Volume of Release Unknown. Volume Recovered To be determined estimated at 3-5 barrels Source of Release Line Drip Valve Date and Hour of Occurrence Date and Hour of Discovery Unknown 4/29/2013 @ 14:00 hours by third party producer, verified on 4/30/2013 @ 10:00 hours by Enterprise personnel Was Immediate Notice Given? If YES, To Whom? Bryce Hammond and Hobson Sandoval *Immediate notification for any quantity of unauthorized release required by Jicarilla Oil and Gas Administration By Whom? Aaron Dailey Date and Hour 5/1/2013 @ 11:30 hours If YES, Volume Impacting the Watercourse. RCUD MAY 10 '13 Was a Watercourse Reached? ☐ Yes ☒ No OIL CONS. DIV. If a Watercourse was Impacted, Describe Fully.* DIST. 3 Describe Cause of Problem and Remedial Action Taken.* Third party producer discovered and reported to Enterprise a pipeline release location on the lateral 2C-61 natural gas gathering pipeline. Enterprise technician verified leak location and reported this to the Enterprise Supervisor and Environmental Department. Enterprise technician placed a lock and can over the valve at the line drip location where the release originated. Describe Area Affected and Cleanup Action Taken.* The affected area was verified by Enterprise Environmental and Jicarilla Tribal Environmental Protection Office personnel on May 1, 2013. It appears that an unauthorized person opened the valve which allowed for the unauthorized release of condensate to the ground. A plan to dig and haul the oil impacted soil to an OCD approved landfarm facility was developed and scheduled for May 8, 2013. A c-141 "final" report will be submitted to applicable agencies documenting the third party corrective actions conducted at this location. 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. OIL CONSERVATION DIVISION Signature: Printed Name: Matt Marra Approved by Environmental Specialist: \ Expration Date: Title: Sr. Director, Environmental E-mail Address: memarra@eprod.com Conditions of Approval: Attached

* Attach Additional Sheets If Necessary

Date: 5-7-20/3 Phone: (713)381-6684

NDK 1331251432

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

| Release Notification and Corrective Action | | | | | | | | | | | | | |
|---|--------------|-----------------|--------------|--|-----------|---|--------------------|----------------|--------------|-----------------------------|------------|-----------------|--|
| | | | | | | OPERATOR Initial Report | | | | | | Final Report | |
| | | terprise Fiel | | | | Contact: Aaron Dailey | | | | | | | |
| | | Ave., Farmin | | 1 87401 | | Telephone No. 505-599-2286 | | | | | | | |
| Facility Nar | ne San Ju | an 30-6 # 50 | Facility Typ | e: Natural gas g | gathering | g line | | | | | | | |
| Surface Ow | ner: Priva | te | wner | Private | | | API No | • | | | | | |
| | | | | LOCA | TIO | N OF REI | LEASE | | | | | | |
| Unit Letter | Section | Township | Range | Feet from the | North | North/South Line Feet from the East/West Line County | | | | | | | |
| L | 31 | 30N | 7W | | | | | | | Rio Arriba | ı | | |
| | - | | Latitud | e36.7673 L | ongitu | ide 107.6 | 156 (decimal d | legrees) | | • - | | | |
| | | | Zuuuu | | _ | OF RELI | | <u> </u> | _ | | | | |
| Type of Rele | ase: Natur | al Gas Conder | nsate | INAL | UKE | ., | Release Unknow | wn | Volume F | Recovered: | TRD | | |
| | | | | | | Historic D | | | | | | | |
| Source of Re | lease: Mete | r run location | ~ | | | Date and F Unknown | Iour of Occurrenc | e: | | Hour of Dis ty assessmer | | c reviewed | |
| | | | | | | | | | | 6 @ 08:00 h | | .s reviewed | |
| Was Immedia | ate Notice (| | Ves [|] No ⊠ Not Re | equired | If YES, To | Whom? | CVD APR 26 '13 | | | | | |
| By Whom? | Aaron Dail | | | THO ZI HOUR | quired | Date and Hour | | | | | | | |
| Was a Water | | | | | | If YES, Volume Impacting the Watercourse. | | | | | | | |
| | | | Yes 🗵 |] No | | | | | | | | | |
| If a Watercou | irse was Im | pacted, Descr | ibe Fully. | * | | J. | | | | | | | |
| | | | | | | | | | | | | | |
| Describe Cau | se of Probl | em and Reme | dial Actio | n Taken.* Enterp | rise em | ployee found | Rockwell valve o | n the end | of the me | ter tube leal | cing liqu | uid, possibly | |
| | | | | in valve. He then eet, was discovere | | | | i; technic | cian also in | stalled plug | in valve | e. A small | |
| | | | | ken.* Third part | | | | ched to the | ne location | to perform | cleanup | During | |
| cleanup, it w | as discover | ed that soil wa | is impacte | d well below the | soil surf | ace. Third pa | rty contractor cor | nducted e | environme | ntal assessm | ent to d | etermine | |
| | | | | tial" release report cility and replace | | | | | | | | | |
| | | | | ichtly and replace ig cleanup and clo | | | | | ii dale is A | prii 18, 201. | o. Filial | 10-141 | |
| I hereby cert | ify that the | information g | iven abov | e is true and comp | lete to t | he best of my | knowledge and u | ınderstan | | | | | |
| regulations a | ll operators | are required t | o report a | nd/or file certain r | elease r | notifications and perform corrective actions for releases which may endanger | | | | | | danger | |
| | | | | | | the NMOCD marked as "Final Report" does not relieve the operator of liability ate contamination that pose a threat to ground water, surface water, human health | | | | | | | |
| or the enviro | nment. In a | addition, NMC | OCD accep | ptance of a C-141 | | | | | | | | | |
| federal, state, or local laws and/or regulations. | | | | | | | OIL CON | CEDV | ATION | DIVICIO |)NI | | |
| 1 | | | | | | | OIL CON | SEK V | ATION | DIVISIO | <u>//\</u> | n | |
| Signature: | | | | | | | | | \wedge | # | 1/1 | | |
| Printed Name: Matt Marra | | | | | | Approved by | Environmental S | Specialist | : pro | W)/. | fel | l _{υλ} | |
| Title: Sr. Director, Environmental | | | | | | Approval Date: 1/8/2013 Expiration Date: | | | | | 0 | | |
| E-mail Address: memarra@eprod.com | | | | | | Conditions of Approval: Attached | | | | | | | |
| Date: 4-22-20/3 Phone: 713-381-6684 | | | | | | | | | | | | | |

3

nJL 1331252721

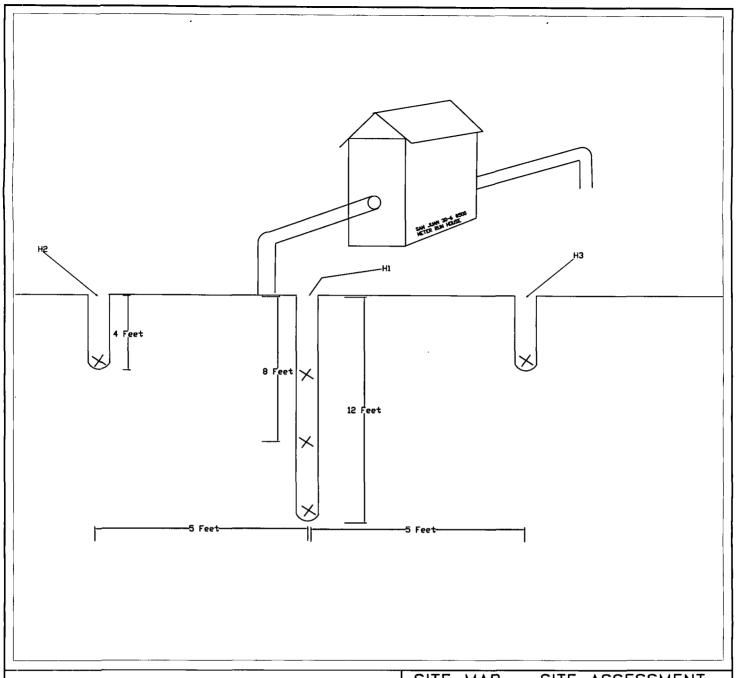
Table 1, Summary of Analytical Results Enterprise Products San Juan 30-6 #500 Spill Assessment Report Rio Arriba County, New Mexico Project Number 97057-0549 March 2013

| Sample Description NMOCD/RCRA Standards | Sample Number | Date NA | TPH 418.1 (ppm) | TPH USEPA Method 8015 (ppm) | Benzene USEPA Method 8021 (ppm) | BTEX USEPA Method 8021 (ppm) | OVM (ppm) |
|---|------------------|------------|--------------------|-----------------------------------|--|---------------------------------------|--------------|
| H1 - 4 ft. BGS | 1 | 3/15/2013 | 8556 | NS | NS | NS | 539.0 |
| H1 - 8 ft. BGS | 2 | 3/15/2013 | 512 | NS | NS | NS | 197.0 |
| H1 - 12 ft. BGS | 3 | 3/15/2013 | 1828 | 53.9 | 0.317 | 86.4 | 440.0 |
| H2 - 4 ft. BGS | 4 | 3/15/2013 | NS | NS | NS | NS | 22.5 |
| H3 - 4 ft. BGS | 5 | 3/15/2013 | NS | NS | NS | NS | 23.7 |

ζ

NS = Not Sampled

ND = Non-Detect at Stated Method's Detection Limit
* Values in BOLD above regulatory standards



LEGEND

X SAMPLE LOCATIONS

SITE MAP — SITE ASSESSMENT Enterprise Products

San Juan 30-6 #500 SEC 31 TWN 30N RNG 7W RIO ARIBBA COUNTY, NEW MEXICO

| SCAL | E: NI | S | | FIGUR | E NO | 1 | | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | |
|------|---------|--------|------|---------|--------|--------|-----|---------------------------------------|--|--|
| PRO | JECT NO | 97057- | 0549 | | L NO. | _ | | | | |
| | - " | | | REVISIO | ONS | | | | | |
| | | | | | | | | | | |
| NO. | DATE | BY | , | | DESC | RIPTIO | ON | | | |
| MAP | DRWN | FRA | 3- | 22-13 | BASE D | RWN | FRA | | | |

ENVIRONMENTAL SCIENTISTS & ENGINEERS

OF THE CONTROL OF THE CHECK SCIENTISTS & ENGINEERS

LIVINOILCII

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87410 505-632-0615