

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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

OIL CONS. DIV DIST. 3

APR 23 2015

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141
Revised August 8, 2011

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

| | | | |
|-----------------|----------------------------------------|---------------|----------------|
| Name of Company | Dugan Production Corp. | Contact | Rodger Mullins |
| Address | P O Box 420, Farmington, NM 87499-0420 | Telephone No. | 505-326-4548 |
| Facility Name | Anabel #1 | Facility Type | Oil Well |
| Surface Owner | Federal | Mineral Owner | Federal |
| | | API No. | 30-045-24907 |

LOCATION OF RELEASE

| | | | | | | | | |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|----------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
| A | 33 | 25N | 8W | 700 | North | 600 | East | San Juan |

Latitude 36.36278 Longitude -107.67924

NATURE OF RELEASE

| | | | | | |
|-----------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------|----------------------------|---------------------|
| Type of Release | crude oil | Volume of Release | Approx 10 bbls | Volume | None |
| Source of Release | Hammer union at wellhead | Date and Hour of Occurrence | 03-12-15 time unknown | Date and Hour of Discovery | 03-12-15 @ 1300 hrs |
| Was Immediate Notice Given? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | Shari Ketchum (BLM) & Jonathan Kelly (NMOCD) | | |
| By Whom? | Rodger Mullins | Date and Hour | 3-12-15 @ 1545 hrs | | |
| Was a Watercourse Reached? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | | | |

If a Watercourse was Impacted, Describe Fully.*

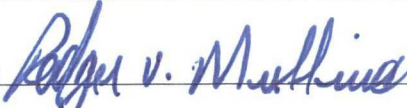
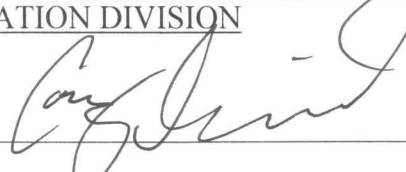
Describe Cause of Problem and Remedial Action Taken.*

Oil was released from a loose hammer union at the wellhead. Pump unit was shut down and hammer union was tightened. All hammer unions will be checked for tightness on a regular basis.

Describe Area Affected and Cleanup Action Taken.*

(On Location) - Oil was on ground on the NW (front) and SW (left side) of pump jack. (Off Location) - Oil ran off SW side of location approximately 400 feet then ran over a cliff and stopped on a flat spot at bottom of cliff. Narrow stream from 6" to 18" wide. Contaminated soil was removed and transported to Envirotech Landfarm. Clean non-landfarm soil was obtained from Envirotech, inspected by BLM and was used as the replacement soil for excavated area. Contamination was chipped out of sand stone. Spill area was recontoured to the natural landscape. Clean up of spill area was inspected and approved by BLM on 4/21/15. Soil samples were taken of excavated area were sent to Cardinal Laboratories and found to be free of contamination - test results attached. Re-seeding will be done at the proper time.

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: Rodger Mullins | Approved by Environmental Specialist:  | |
| Title: Production Foreman | Approval Date: 6/23/15 | Expiration Date: |
| E-mail Address: rmullins@duganproduction.com (Initial submitted 3/17/15) Date: 4/22/15 Phone: 505-325-1821 | Conditions of Approval: | Attached <input type="checkbox"/> |

* Attach Additional Sheets If Necessary

#NES 1509731112

March 31, 2015

RODGER MULLINS

DUGAN PRODUCTION

P. O. BOX 420

FARMINGTON, NM 87499

RE: ANABEL #1

Enclosed are the results of analyses for samples received by the laboratory on 03/26/15 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 DUGAN PRODUCTION
 RODGER MULLINS
 P. O. BOX 420
 FARMINGTON NM, 87499
 Fax To: (505) 327-4043

 Received: 03/26/2015
 Reported: 03/31/2015
 Project Name: ANABEL #1
 Project Number: NONE GIVEN
 Project Location: OIL SPILL

 Sampling Date: 03/25/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 1 (H500808-01)

| BTX 8021B | | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/28/2015 | ND | 2.16 | 108 | 2.00 | 0.627 | | |
| Toluene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.95 | 97.4 | 2.00 | 0.219 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.93 | 96.7 | 2.00 | 0.226 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/28/2015 | ND | 5.90 | 98.3 | 6.00 | 0.279 | | |
| Total BTX | <0.300 | 0.300 | 03/28/2015 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 61-154

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 03/27/2015 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | | mg/kg | | Analyzed By: MS | | | | |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 03/26/2015 | ND | 208 | 104 | 200 | 0.792 | |
| DRO >C10-C28 | 29.3 | 10.0 | 03/26/2015 | ND | 210 | 105 | 200 | 0.116 | |
| Total TPH C6-C28 | 29.3 | 10.0 | 03/26/2015 | ND | 418 | 105 | 400 | 0.453 | |

Surrogate: 1-Chlorooctane 108 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

DUGAN PRODUCTION
RODGER MULLINS
P. O. BOX 420
FARMINGTON NM, 87499
Fax To: (505) 327-4043

Received: 03/26/2015
Reported: 03/31/2015
Project Name: ANABEL #1
Project Number: NONE GIVEN
Project Location: OIL SPILL

Sampling Date: 03/25/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: 2 R (H500808-02)

| BTEX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/28/2015 | ND | 2.16 | 108 | 2.00 | 0.627 | |
| Toluene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.95 | 97.4 | 2.00 | 0.219 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.93 | 96.7 | 2.00 | 0.226 | |
| Total Xylenes* | <0.150 | 0.150 | 03/28/2015 | ND | 5.90 | 98.3 | 6.00 | 0.279 | |
| Total BTEX | <0.300 | 0.300 | 03/28/2015 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 61-154

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 03/27/2015 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 03/26/2015 | ND | 208 | 104 | 200 | 0.792 | |
| DRO >C10-C28 | <10.0 | 10.0 | 03/26/2015 | ND | 210 | 105 | 200 | 0.116 | |
| Total TPH C6-C28 | <10.0 | 10.0 | 03/26/2015 | ND | 418 | 105 | 400 | 0.453 | |

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.2 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DUGAN PRODUCTION
 RODGER MULLINS
 P. O. BOX 420
 FARMINGTON NM, 87499
 Fax To: (505) 327-4043

 Received: 03/26/2015
 Reported: 03/31/2015
 Project Name: ANABEL #1
 Project Number: NONE GIVEN
 Project Location: OIL SPILL

 Sampling Date: 03/25/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 3 L (H500808-03)

| BTEX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/28/2015 | ND | 2.16 | 108 | 2.00 | 0.627 | |
| Toluene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.95 | 97.4 | 2.00 | 0.219 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.93 | 96.7 | 2.00 | 0.226 | |
| Total Xylenes* | <0.150 | 0.150 | 03/28/2015 | ND | 5.90 | 98.3 | 6.00 | 0.279 | |
| Total BTEX | <0.300 | 0.300 | 03/28/2015 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 61-154

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 03/27/2015 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 03/26/2015 | ND | 208 | 104 | 200 | 0.792 | |
| DRO >C10-C28 | 79.1 | 10.0 | 03/26/2015 | ND | 210 | 105 | 200 | 0.116 | |
| Total TPH C6-C28 | 79.1 | 10.0 | 03/26/2015 | ND | 418 | 105 | 400 | 0.453 | |

Surrogate: 1-Chlorooctane 111 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

DUGAN PRODUCTION
RODGER MULLINS
P. O. BOX 420
FARMINGTON NM, 87499
Fax To: (505) 327-4043

Received: 03/26/2015
Reported: 03/31/2015
Project Name: ANABEL #1
Project Number: NONE GIVEN
Project Location: OIL SPILL

Sampling Date: 03/25/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: 4 (H500808-04)

| BTEX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/28/2015 | ND | 2.16 | 108 | 2.00 | 0.627 | |
| Toluene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.95 | 97.4 | 2.00 | 0.219 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.93 | 96.7 | 2.00 | 0.226 | |
| Total Xylenes* | <0.150 | 0.150 | 03/28/2015 | ND | 5.90 | 98.3 | 6.00 | 0.279 | |
| Total BTEX | <0.300 | 0.300 | 03/28/2015 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 61-154

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 03/27/2015 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 03/26/2015 | ND | 208 | 104 | 200 | 0.792 | |
| DRO >C10-C28 | 180 | 10.0 | 03/26/2015 | ND | 210 | 105 | 200 | 0.116 | |
| Total TPH C6-C28 | 180 | 10.0 | 03/26/2015 | ND | 418 | 105 | 400 | 0.453 | |

Surrogate: 1-Chlorooctane 116 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DUGAN PRODUCTION
 RODGER MULLINS
 P. O. BOX 420
 FARMINGTON NM, 87499
 Fax To: (505) 327-4043

 Received: 03/26/2015
 Reported: 03/31/2015
 Project Name: ANABEL #1
 Project Number: NONE GIVEN
 Project Location: OIL SPILL

 Sampling Date: 03/25/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 5 (H500808-05)

| BTEX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/28/2015 | ND | 2.16 | 108 | 2.00 | 0.627 | |
| Toluene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.95 | 97.4 | 2.00 | 0.219 | |
| Ethylbenzene* | 0.066 | 0.050 | 03/28/2015 | ND | 1.93 | 96.7 | 2.00 | 0.226 | |
| Total Xylenes* | 0.532 | 0.150 | 03/28/2015 | ND | 5.90 | 98.3 | 6.00 | 0.279 | |
| Total BTEX | 0.599 | 0.300 | 03/28/2015 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 61-154

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 03/27/2015 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 03/26/2015 | ND | 208 | 104 | 200 | 0.792 | |
| DRO >C10-C28 | 209 | 10.0 | 03/26/2015 | ND | 210 | 105 | 200 | 0.116 | |
| Total TPH C6-C28 | 209 | 10.0 | 03/26/2015 | ND | 418 | 105 | 400 | 0.453 | |

Surrogate: 1-Chlorooctane 117 % 47.2-157

Surrogate: 1-Chlorooctadecane 127 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DUGAN PRODUCTION
 RODGER MULLINS
 P. O. BOX 420
 FARMINGTON NM, 87499
 Fax To: (505) 327-4043

 Received: 03/26/2015
 Reported: 03/31/2015
 Project Name: ANABEL #1
 Project Number: NONE GIVEN
 Project Location: OIL SPILL

 Sampling Date: 03/25/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 6 (H500808-06)

| BTEX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/28/2015 | ND | 2.16 | 108 | 2.00 | 0.627 | |
| Toluene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.95 | 97.4 | 2.00 | 0.219 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.93 | 96.7 | 2.00 | 0.226 | |
| Total Xylenes* | <0.150 | 0.150 | 03/28/2015 | ND | 5.90 | 98.3 | 6.00 | 0.279 | |
| Total BTEX | <0.300 | 0.300 | 03/28/2015 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 61-154

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 03/27/2015 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 03/26/2015 | ND | 208 | 104 | 200 | 0.792 | |
| DRO >C10-C28 | 33.8 | 10.0 | 03/26/2015 | ND | 210 | 105 | 200 | 0.116 | |
| Total TPH C6-C28 | 33.8 | 10.0 | 03/26/2015 | ND | 418 | 105 | 400 | 0.453 | |

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DUGAN PRODUCTION
 RODGER MULLINS
 P. O. BOX 420
 FARMINGTON NM, 87499
 Fax To: (505) 327-4043

 Received: 03/26/2015
 Reported: 03/31/2015
 Project Name: ANABEL #1
 Project Number: NONE GIVEN
 Project Location: OIL SPILL

 Sampling Date: 03/25/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 7 (H500808-07)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/28/2015 | ND | 2.16 | 108 | 2.00 | 0.627 | |
| Toluene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.95 | 97.4 | 2.00 | 0.219 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.93 | 96.7 | 2.00 | 0.226 | |
| Total Xylenes* | <0.150 | 0.150 | 03/28/2015 | ND | 5.90 | 98.3 | 6.00 | 0.279 | |
| Total BTX | <0.300 | 0.300 | 03/28/2015 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 61-154

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 03/27/2015 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 03/26/2015 | ND | 208 | 104 | 200 | 0.792 | |
| DRO >C10-C28 | <10.0 | 10.0 | 03/26/2015 | ND | 210 | 105 | 200 | 0.116 | |
| Total TPH C6-C28 | <10.0 | 10.0 | 03/26/2015 | ND | 418 | 105 | 400 | 0.453 | |

Surrogate: 1-Chlorooctane 111 % 47.2-157

Surrogate: 1-Chlorooctadecane 108 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DUGAN PRODUCTION
 RODGER MULLINS
 P. O. BOX 420
 FARMINGTON NM, 87499
 Fax To: (505) 327-4043

 Received: 03/26/2015
 Reported: 03/31/2015
 Project Name: ANABEL #1
 Project Number: NONE GIVEN
 Project Location: OIL SPILL

 Sampling Date: 03/25/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 8 (H500808-08)

| BTEX 8021B | | | mg/kg | | Analyzed By: ms | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/28/2015 | ND | 2.16 | 108 | 2.00 | 0.627 | |
| Toluene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.95 | 97.4 | 2.00 | 0.219 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/28/2015 | ND | 1.93 | 96.7 | 2.00 | 0.226 | |
| Total Xylenes* | <0.150 | 0.150 | 03/28/2015 | ND | 5.90 | 98.3 | 6.00 | 0.279 | |
| Total BTEX | <0.300 | 0.300 | 03/28/2015 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 61-154

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AP | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 03/27/2015 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | | mg/kg | | Analyzed By: MS | | | | |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 03/26/2015 | ND | 208 | 104 | 200 | 0.792 | |
| DRO >C10-C28 | <10.0 | 10.0 | 03/26/2015 | ND | 210 | 105 | 200 | 0.116 | |
| Total TPH C6-C28 | <10.0 | 10.0 | 03/26/2015 | ND | 418 | 105 | 400 | 0.453 | |

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 105 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

| | |
|-----|---------------------------------------------------------------------------------|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |
| | Samples reported on an as received basis (wet) unless otherwise noted on report |

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Celey D. Keene, Lab Director/Quality Manager

From: Celey Keene [mailto:celey.keene@cardinallabsnm.com]
Sent: Tuesday, March 31, 2015 11:53 AM
To: Rodger Mullins
Subject: ANABEL #1

THANK YOU,

Celey Keene

Lab Director

Cardinal Laboratories

101 East Marland

Hobbs, NM 88240

T: (575) 393-2326

F: (575) 393-2476

e-mail: celey.keene@cardinallabsnm.com

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CHAIN OF CUSTODY RECORD

Page ____ of ____

Client: DUGAN PRODUCTION
 Contact: RODGER MULLINS
 Address: _____
 Phone Number: (505) 326-4548
 Email: _____

NOTES:
 1) Ensure proper container packaging.
 2) Ship samples promptly following collection.
 3) Designate Sample Reject Disposition.
 PO# OIL SPILL
 Project Name: ANABEL #1

Table 1. - Matrix Type
 1 = Surface Water, 2 = Ground Water
 3 = Soil/Sediment, 4 = Prod.W., 5 = Oil
 6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY
 GAL JOB # _____

Samplers Signature: Rodger V. Mullins

| Lab Name: Green Analytical Laboratories | | (970) 247-4220 FAX (970) 247-4227 | | Analyses Required | | | | | | | | | | #2 4.9 °C on ice Comments | | |
|----------------------------------------------|------------|-----------------------------------|-----------------------|--------------------------|------------------------------------|-----------------------|------------------------|----------------------|--------------------|-------|------|-----------------|-----|----------------------------------------|--------|-----------|
| Address: 75 Suttle Street, Durango, CO 81303 | | www.greenanalytical.com | | | | | | | | | | | | | | |
| Sample ID | Collection | | Miscellaneous | | | Preservative(s) | | | | | | | | | | |
| | Date | Time | Collected by: (Init.) | Matrix Type From Table 1 | No. of Containers | Sample Filtered ? Y/N | Unpreserved (Ice Only) | HNO3 | HCL | H2SO4 | NAOH | Other (Specify) | TPH | BTEX | BTXENE | CHLORIDES |
| H500808 | | | | | | | | | | | | | | | | |
| 1. 1 | 03-25-15 | 1155 | RVM | | | | X | | | | | | 1 | 1 | 1 | 1 |
| 2. 2 R | " | 1202 | " | | | | Y | | | | | | 2 | 2 | 2 | 2 |
| 3. 3 L | " | 1205 | " | | | | | | | | | | 3 | 3 | 3 | 3 |
| 4. 4 | " | 1207 | " | | | | | | | | | | 4 | 4 | 4 | 4 |
| 5. 5 | " | 1210 | " | | | | | | | | | | 5 | 5 | 5 | 5 |
| 6. 6 | " | 1212 | " | | | | | | | | | | 6 | 6 | 6 | 6 |
| 7. 7 | " | 1215 | " | | | | | | | | | | 7 | 7 | 7 | 7 |
| 8. 8 | " | 1220 | " | | | | ✓ | | | | | | 8 | 8 | 8 | 8 |
| 9. | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | |
| Relinquished by: <u>Rodger V. Mullins</u> | | | Date: <u>03-25-15</u> | Time: <u>03:15</u> | Received by: <u>Dulaine Zupelt</u> | | | Date: <u>3-25-15</u> | Time: <u>15:15</u> | | | | | | | |
| Relinquished by: <u>Dulaine Zupelt</u> | | | Date: <u>3-25-15</u> | Time: <u>1600</u> | Received by: <u>Fed. Ex</u> | | | Date: <u>3-25-15</u> | Time: <u>1600</u> | | | | | | | |
| Relinquished by: _____ | | | Date: _____ | Time: _____ | Received by: <u>Jodi Henson</u> | | | Date: <u>3/26/15</u> | Time: <u>10:20</u> | | | | | | | |

* Sample Reject: [] Return [] Dispose [] Store (30 Days)