

AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pJK1424834050

3RP - 1013

Williams Four Corners, LLC

1/19/2017

3R-1013

Release Report/ General Correspondence

Williams SJ

Date: Jan-Mar 2017

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.

BLM Project No.

Release Notification and Corrective Action

| | OPERATOR | Initial Report | Final Report |
|--|-------------------------------|----------------|--------------|
| Name of Company: Williams Four Corners LLC | Contact: Kijun Hong | | |
| Address: 1755 Arroyo Dr., Farmington, NM 87413 | Telephone No.: (505) 632-4475 | | |
| Facility Name: Angel Peak 1H-20 | Facility Type: Pipeline | | |
| | | | |

Surface Owner: Bureau of Land Management Mineral Owner

LOCATION OF PELEASE

| LOCATION OF RELEASE | | | | | | | | |
|---------------------|------------|-----------------|--------------|---------------|------------------|---------------|----------------|--------------------|
| Unit Letter K | Section 01 | Township 27N | Range 10W | Feet from the | North/South Line | Feet from the | East/West Line | County San Juan |

Latitude 36.60168 Longitude -107.84013

NATURE OF RELEASE

| Type of Release: Natural Gas | Volume of Release: 199.34 MCF | Volume Recovered: 0 MCF |
|--|---|---|
| Source of Release: Pipeline | Date and Hour of Occurrence: | Date and Hour of Discovery: |
| | 01/08/17 at 3:00 PM MST | 01/11/17 at 6:00 AM MST |
| Was Immediate Notice Given? | If YES, To Whom? | |
| 🗌 Yes 🗌 No 🔀 Not Required | Not Applicable | |
| By Whom? Not Applicable | Date and Hour: Not Applicable | |
| Was a Watercourse Reached? | If YES, Volume Impacting the Water Not Applicable | TONS: DIV DIST. 3 |
| If a Watercourse was Impacted, Describe Fully.* Not Applicable | | JAN 2 3 2017 |
| Describe Cause of Problem and Remedial Action Taken.* Williams's personnel discovered a gas leak from a frozen meter run. | The section was immediately isolated | and shut-in. |
| Describe Area Affected and Cleanup Action Taken.* The meter run has been repaired. There was no soil impacts as the fai | iled equipment was located above gro | ound and there was no liquids loss. |
| I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report do federal, state, or local laws and/or regulations. | otifications and perform corrective actions NMOCD marked as "Final Report" do e contamination that pose a threat to group | ons for releases which may endanger bes not relieve the operator of liability bund water, surface water, human health |
| Signature: | OIL CONSERVA | ATION DIVISION |
| Printed Name: Kijun Hong | Car | -und |
| Title: Environmental Specialist | Approval Date: 26 201 E | xpiration Date: |
| E-mail Address: kijun.hong@williams.com | Conditions of Approval: | Attached |
| Date: 01/19/2017 Phone: (505) 632-4475 | NVF1702635103 | |

* Attach Additional Sheets If Necessary

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 |
|---|----------------------------------|----------------|--------------|
| Name of Company Williams Four Corners LLC | Contact Michael Hannan | • | |
| Address 1755 Arroyo Dr., Bloomfield, NM 87413 | Telephone No. 505-632-4807 | | |
| Facility Name Hare Compressor Station | Facility Type Compressor Station | | |
| | | | |

| Surface Owner William | s Mineral Owner |
|-----------------------|-----------------|
| | |

API No.

LOCATION OF RELEASE

| Unit Letter F | Section 24 | Township 29N | Range 10W | Feet from the | North/South Line | Feet from the | East/West Line | County San Juan |
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|--------------------|
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|--------------------|

Latitude <u>36.71406° N</u> Longitude <u>107.84118° W</u>

NATURE OF RELEASE

| Source of Release Compressor Engine Date and Hour of Ocurrence 08/30/16, 10:00 PM MDT Date and Hour of Discovery 08/30/16, 10:00 PM MDT Was Immediate Notice Given? If YES, To Whom? Vanessa Fields, NMOCD (voice mail) By Whom? Mitch Morris Date and Hour: 8/31/2016 2:44 PM MDT Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. If a Watercourse was Impacted, Describe Fully.* If YES, Volume Impacting the Watercourse. Not Applicable OIL CONS. DIV DIST, 3 Describe Cause of Problem and Remedial Action Taken.* SEP 1 2 2016 A compressor rod broke and pushed the head cylinder off. SEP 1 2 2016 Describe Area Affected and Cleanup Action Taken.* SEP 1 2 2016 No clean-up required for natural gas releases vented to atmosphere. 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 operation shave failed to adequately investigate and remediate contamination that pose as threat to ground water, surface water, human health or the environment. The acceptance of a C-141 report does not relieve the operator of insbility should their operations have failed to adequately investigate and remediate contamination | Type of Release Natural Gas | Volume of Release 1,467 MCF | Volume Recovered 0 MCF |
|--|---|---|--------------------------------------|
| Was Immediate Notice Given? If YES, To Whom? Was a Marcourse Reached? If YES, To Whom? Was a Watercourse Reached? Date and Hour: &/31/2016 2:44 PM MDT If a Watercourse Reached? If YES, Volume Impacting the Watercourse. If a Watercourse was Impacted, Describe Fully.* Not Applicable Describe Cause of Problem and Remedial Action Taken.* OIL CONS. DIV DIST. 3 Describe Cause of Problem and Remedial Action Taken.* SEP 1 2 2016 Describe Area Affected and Cleanup Action Taken.* No clean-up required for natural gas releases vented to atmosphere. 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. The 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: Printed Name: Michael Hannan Approval Date: 3 Approval Date: 3 Approval Date: 3 Approval: Attached Lattached Lattached Lattached Lattached | Source of Release Compressor Engine | Date and Hour of Occurrence | Date and Hour of Discovery |
| Yes No Not Required Vanessa Fields, NMOCD (voice mail) By Whom? Mitch Morris Date and Hour: 8/31/2016 2:44 PM MDT Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. If a Watercourse was Impacted, Describe Fully.* If YES, Volume Impacting the Watercourse. Not Applicable OIL CONS. DIV DIST. 3 Describe Cause of Problem and Remedial Action Taken.* SEP 12 2016 A compressor rod broke and pushed the head cylinder off. SEP 12 2016 Describe Area Affected and Cleanup Action Taken.* SEP 12 2016 No clean-up required for natural gas releases vented to atmosphere. Intereby 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 y the NMOCD marked as "Final Report" does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Jiggnature: OIL CONSERVATION DIVISION Signature: Approved by Environmental Specialis: Printed Name: Michael Hannan Approved Date: 3 Approvel Date: Title: Engineer, Sr. Approval Date: 3 Approvel Date: E-mail Address: michael Hannan | | 08/30/16, 10:00 PM MDT | 08/30/16, 10:00 PM MDT |
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| Signature: Approved by Environmental Specialist: Printed Name: Michael Hannan Approved by Environmental Specialist: Title: Engineer, Sr. Approval Date: 3 8 2000 E-mail Address: michael.hannan@williams.com Conditions of Approval: | lederal, state, or local laws and/or regulations. | OH CONCEPT | |
| Printed Name: Michael Hannan Approved by Environmental Specialist: Title: Engineer, Sr. Approval Date: 3 3 3 3 3 3 4 3 4 5 4 5 4 5 4 5 4 5 4 5 | Mb | OIL CONSERV | ATION DIVISION |
| Printed Name: Michael Hannan Approved by Environmental Specialist: Title: Engineer, Sr. Approval Date: 3 3 3 3 3 3 4 3 4 5 4 5 4 5 4 5 4 5 4 5 | Cignotuna | | |
| Printed Name: Michael Hannan Approval Date: 38,203 Expiration Date: Title: Engineer, Sr. Approval Date: 38,203 Expiration Date: E-mail Address: michael.hannan@williams.com Conditions of Approval: Attached | | | |
| E-mail Address: michael.hannan@williams.com Conditions of Approval: Attached | Printed Name: Michael Hannan | Approved by Environmental Specialis | the state |
| E-mail Address: michael.hannan@williams.com Conditions of Approval: Attached | | 214745 | |
| Attached | litle: Engineer, Sr. | Approval Date: 0 00 1 1 | Expiration Date: |
| Attached | E mail Addresses michael hannen@williams.com | Conditions of Approval | |
| NUC TO CONT | E-man Autress. michael.naman(@wimams.com | | Attached |
| Date: 09/07/16 Phone: 505-632-4807 NVF 106 3 7004 | Date: 00/07/16 Phone: 505 632 4807 | NVF 170673782 | L L |

* Attach Additional Sheets If Necessary

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 Name of Company: Williams Four Corners LLC Contact: Monica Sandoval Address: 1755 Arroyo Drive, Bloomfield, NM 87413 Telephone No.: (505) 632-4625 Facility Name: Trunk N Facility Type: Compressor Station API No.

Surface Owner: BLM Mineral Owner

| LOCATION OF R | ELEASI | £ |
|---------------|--------|---|
|---------------|--------|---|

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|----------|
| G | 17 | 32N | 7W | | | | | San Juan |

Latitude <u>36.98303° N</u> Longitude <u>-107.58655° W</u>

NATURE OF RELEASE

| Type of Release: Produced Water | Volume of Release: 100 bbls of | Volume Recovered: 100 bbls of produced |
|---|--|--|
| Source of Release: Storage Tank | produced water Date and Hour of Occurrence: | water Date and Hour of |
| Source of Release. Storage Talik | 1/18/2017 hour unknown | Discovery: 1/19/2017 |
| Was Immediate Notice Given? | If YES, To Whom? | 7:30am |
| Yes No Not Required | Vanessa Fields, NMOCD | |
| | Voicemail | |
| By Whom? Monica Sandoval | Date and Hour: 1/19/2017 4:01 pm | |
| Was a Watercourse Reached? | If YES, Volume Impacting the Wate | ercourse. N/A |
| 🗌 Yes 🛛 No | | OUL CONC DIVIDICT 2 |
| If a Watercourse was Impacted, Describe Fully.* | | OIL CONS. DIV DIST. 3 |
| | | |
| N/A | | FEB 0 1 2017 |
| Describe Cause of Problem and Remedial Action Taken.* | | the other sectors and |
| Describe Cause of Problem and Remedial Action Taken." | | |
| Pig stuck in line due to up and down stream operating conditions. The stud | k pig caused abnormal operating cond | litions which surged liquid into the tank. |
| The Tank was over-run and 100 barrels of produced water released into th | | |
| lined containment area. Operations verified that the secondary lined contain | | |
| board available. | | |
| Describe Asso Affected and Oleanny Astice Talan * | | |
| Describe Area Affected and Cleanup Action Taken.* | | |
| Two truckloads equaling 100 barrels of produced water removed from the | be lined containment on 1/19/2017 | |
| The ducines equiling for current of produced mater removed from t | te mied containment on 1772017. | |
| | | |
| I hereby certify that the information given above is true and complete to the | | |
| regulations all operators are required to report and/or file certain release no | | |
| public health or the environment. The acceptance of a C-141 report by the | NMOCD marked as "Final Report" d | oes not relieve the operator of liability |
| should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report do | | |
| federal, state, or local laws and/or regulations. | bes not reneve the operator of responsi | ionity for compnance with any other |
| | OIL CONSERV | ATION DIVISION |
| Manicasandasa | OIL CONSERT | ATTOM DIVISION |
| Signature: | (| |
| | Approved by Environmental Specialist | |
| Printed Name: Monica Sandoval | | Jes a |
| | 21.12.2 | 4 h |
| Title: Environmental Specialist | Approval Date: 31201 I | Expiration Date: |
| | | |
| E-mail Address: monica.sandoval@williams.com | Conditions of Approval: | Attached |
| | 0100,0001,00 | Attached |
| Date: 1/26/2017 Phone: (505) 632-4625 | ~ 10CS1102655 | 277 |
| Attach Additional Sheets If Necessary | nspectarea to en liner integ | 5.00 |
| | ispectated to en | buck |
| | linor inter | atto |
| | inser introg | ()) |

OIL CONS. DIV DIST. 3

FEB 13 2017

Form C-141 Revised August 8, 2011

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

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

Release Notification and Corrective Action

| | OPERATOR | \boxtimes | Initial Report | \boxtimes | Final Report |
|--|-------------------------------|-------------|----------------|-------------|--------------|
| Name of Company: Williams Four Corners LLC | Contact: Kijun Hong | | | | |
| Address: 1755 Arroyo Dr., Farmington, NM 87413 | Telephone No.: (505) 632-4475 | | | | |
| Facility Name: Knauff 1 | Facility Type: Pipeline | | | | |
| | | | | | |

| Surface Owner: Bureau of Land Management | Mineral Owner | BLM Project No. NMNM035779 |
|--|---------------|----------------------------|
| | | or NMNM046429 |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|----------|
| С | 31 | 28N | 10W | | | | | San Juan |

Latitude 36.6232 Longitude -107.9400

NATURE OF RELEASE

| Type of Release: Natural Gas | Volume of Release: 199.34 MCF | Volume Recovered: 0 MCF | | | | |
|--|---|---|--|--|--|--|
| Source of Release: Pipeline | Date and Hour of Occurrence: | Date and Hour of Discovery: | | | | |
| | 01/28/17 at 9:30 AM MST | 01/31/17 at 9:30 AM MST | | | | |
| Was Immediate Notice Given? | If YES, To Whom? | | | | | |
| Yes 🗌 No 🗌 Not Required | Cory Smith | | | | | |
| By Whom? Kijun Hong | Date and Hour: 1/31/2017 @ 3:55 Pl | М | | | | |
| Was a Watercourse Reached? | If YES, Volume Impacting the Water | rcourse. | | | | |
| 🗌 Yes 🖾 No | Not Applicable | | | | | |
| If a Watercourse was Impacted, Describe Fully.* | | | | | | |
| Not Applicable | | | | | | |
| | | | | | | |
| Describe Cause of Problem and Remedial Action Taken.* | | | | | | |
| Natural gas release due to meter freeze and split. The section was im | mediately isolated and shut-in upon d | liscovery. | | | | |
| | | | | | | |
| Describe Area Affected and Cleanup Action Taken.* | | | | | | |
| The meter has been repaired. There were no soil impacts as the failed | equipment was located above ground | d and there was no liquids loss. | | | | |
| I hereby certify that the information given above is true and complete to the | a hast of my knowledge and understan | d that automat to NMOCD rules and | | | | |
| regulations all operators are required to report and/or file certain release n | | | | | | |
| public health or the environment. The acceptance of a C-141 report by the | NMOCD marked as "Final Report" do | bes not relieve the operator of liability | | | | |
| | ate contamination that pose a threat to ground water, surface water, human health | | | | | |
| | does not relieve the operator of responsibility for compliance with any other | | | | | |
| federal, state, or local laws and/or regulations. | r r | | | | | |
| 21 10 | OIL CONSERV | ATION DIVISION | | | | |
| | | | | | | |
| TO TO | Approved by Environmental Specialist: | | | | | |
| Signature: | | | | | | |
| | | | | | | |
| Printed Name: Kijun Hong | | | | | | |
| Title: Environmental Specialist | 21122 | | | | | |
| Title: Environmental Specialist | Approval Date: 5 60 E | Expiration Date: | | | | |
| E-mail Address: kijun.hong@williams.com | Conditions of Approval: | | | | | |
| <i>a b y</i> | 10012101200 | Attached | | | | |
| Date: 02/09/2017 Phone: (505) 632-4475 | 1025170315112 | 5 | | | | |

* Attach Additional Sheets If Necessary

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 8, 2011 Copy to appropriate District Office in

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

API No.

Release Notification and Corrective Action

| | OPERATOR | \boxtimes | Initial Report | \boxtimes | Final Report |
|---|---------------------------------|-------------|----------------|-------------|--------------|
| Name of Company Williams Four Corners LLC | Contact Michael Hannan | | | | |
| Address 1755 Arroyo Dr., Bloomfield, NM 87413 | Telephone No. 505-632-4807 | | | | |
| Facility Name La Jara Compressor Station | Facility Type Compressor Statio | n | | | |
| | | | | | |

Surface Owner Bureau of Land Management Mineral Owner

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County | | | |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|----------|--|--|--|
| М | 1 | 30N | 9W | | | | | San Juan | | | |
| | | | | | | | | | | | |

Latitude <u>36.81754° N</u> Longitude <u>107.49144° W</u>

NATURE OF RELEASE

| Type of Release Natural Gas | Volume of Release 103.78 MCF | Volume Reco | overed 0 MCF | | | | |
|--|---|------------------|----------------------------|--|--|--|--|
| Source of Release Emergency Safety Device (ESD) | Date and Hour of Occurrence | Date and Hou | ur of Discovery | | | | |
| | 02/13/17, 10:24 AM MST | 02/13/17, 10: | :24 AM MST | | | | |
| Was Immediate Notice Given? | If YES, To Whom? | | | | | | |
| 🗌 Yes 🗌 No 🛛 Not Required | | | | | | | |
| By Whom? | Date and Hour: | | | | | | |
| Was a Watercourse Reached? | If YES, Volume Impacting the Wate | ercourse. | | | | | |
| Yes X No | | | | | | | |
| If a Watercourse was Impacted, Describe Fully.* | | | | | | | |
| Not Applicable | | | DIV DICT 2 | | | | |
| | | OIL CONS. | DIV DIST. 3 | | | | |
| Describe Cause of Problem and Remedial Action Taken.* | | i. | | | | | |
| | | FEB | 2 2 2017 | | | | |
| La Jara – Faulty air dryer inlet actuators caused tripped ESD. The faulty a | actuators were replaced. | | | | | | |
| Describe Area Affected and Cleanup Action Taken.* | | | | | | | |
| | | | | | | | |
| No clean-up required for natural gas releases vented to atmosphere. | | | | | | | |
| I hereby certify that the information given above is true and complete to t | he best of my knowledge and understa | nd that nursuan | at to NMOCD rules and | | | | |
| regulations all operators are required to report and/or file certain release r | notifications and perform corrective act | ions for release | es which may endanger | | | | |
| public health or the environment. The acceptance of a C-141 report by the | e NMOCD marked as "Final Report" d | loes not relieve | the operator of liability | | | | |
| should their operations have failed to adequately investigate and remedia | te contamination that pose a threat to gr | ound water, su | urface water, human health | | | | |
| or the environment. In addition, NMOCD acceptance of a C-141 report of | loes not relieve the operator of responsi | ibility for comp | pliance with any other | | | | |
| federal, state, or local laws and/or regulations. | | | | | | | |
| mu | OIL CONSERV | ATION DI | IVISION | | | | |
| Signature: | | | | | | | |
| | | 1 1 | | | | | |
| Printed Name: Michael Hannan Approved by Environmental Specialist: | | | | | | | |
| | 21010 0 | | | | | | |
| Title: Engineer, Sr. | Approval Date: 33301 | Expiration Date | e: | | | | |
| E-mail Address: michael.hannan@williams.com | Conditions of Approval: | | _ | | | | |
| | | | Attached | | | | |
| Date: 02/13/17 Phone: 505-632-4807 | NVF 170623493 | | | | | | |

* Attach Additional Sheets If Necessary

OIL CONS. DIV DIST. 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

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

FEB 13 201/

Form C-141 Revised August 8, 2011

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

BLM Project No. NMNM041898

Attached

Release Notification and Corrective Action

| | OPERATOR | \boxtimes | Initial Report | Final Report |
|--|-------------------------------|-------------|----------------|--------------|
| Name of Company: Williams Four Corners LLC | Contact: Kijun Hong | | | |
| Address: 1755 Arroyo Dr., Farmington, NM 87413 | Telephone No.: (505) 632-4475 | | | |
| Facility Name: Reid B1-E | Facility Type: Pipeline | | | |
| | | | | |

Surface Owner: Bureau of Land Management Mineral Owner

| | LOCATION OF RELEASE | | | | | | | | | | | |
|-------------|---------------------|----------|-------|---------------|------------------|---------------|----------------|----------|--|--|--|--|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County | | | | |
| G | 31 | 29N | 10W | | | | | San Juan | | | | |

Latitude <u>36.68330</u> Longitude <u>-107.92170</u>

NATURE OF RELEASE Volume of Release: 277.81 MCF Type of Release: Natural Gas Volume Recovered: 0 MCF Date and Hour of Occurrence: Date and Hour of Discovery: Source of Release: Pipeline 01/23/17 at 10:00 AM MST 01/26/17 at 10:00 AM MST Was Immediate Notice Given? If YES, To Whom? Yes No X Not Required Not Applicable By Whom? Not Applicable Date and Hour: Not Applicable Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. Yes X No Not Applicable If a Watercourse was Impacted, Describe Fully.* Not Applicable Describe Cause of Problem and Remedial Action Taken.* Failure in pipeline caused a release of natural gas. The section was immediately isolated and shut-in. Describe Area Affected and Cleanup Action Taken.* Pipeline has been repaired. There were no signs of soil impacts or liquids loss. 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** Approved by Environmental Specialist: Signature: Printed Name: Kijun Hong **Title: Environmental Specialist** Approval Date **Expiration Date:**

Conditions of Approval:

* Attach Additional Sheets If Necessary

Date: 02/9/2017

E-mail Address: kijun.hong@williams.com

Phone: (505) 632-4475

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.

API No.

Release Notification and Corrective Action

| | OPERATOR | \boxtimes | Initial Report | \boxtimes | Final Report |
|---|---------------------------------|-------------|----------------|-------------|--------------|
| Name of Company Williams Four Corners LLC | Contact Michael Hannan | | | | |
| Address 1755 Arroyo Dr., Bloomfield, NM 87413 | Telephone No. 505-632-4807 | | | | |
| Facility Name La Jara Compressor Station | Facility Type Compressor Statio | n | | | |
| Facility Name La Jara Compressor Station | Facility Type Compressor Statio | n | | _ | |

Surface Owner Bureau of Land Management Mineral Owner

| LOCATION | OF RELEASE | |
|----------|------------|--|
|----------|------------|--|

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|----------|
| M | 1 | 30N | 9W | 1 | | | | San Juan |

Latitude <u>36.81754° N</u> Longitude <u>107.49144° W</u>

NATURE OF RELEASE

| Type of Release Natural Gas | Volume of Release 103.78 MCF | Volume Recovered 0 MCF |
|--|---|-------------------------------------|
| Source of Release Emergency Safety Device (ESD) | Date and Hour of Occurrence | Date and Hour of Discovery |
| | 02/11/17, 12:10 PM MST | 02/11/17, 12:10 PM MST |
| Was Immediate Notice Given? | If YES, To Whom? | |
| 🗌 Yes 🗌 No 🛛 Not Required | | |
| By Whom? | Date and Hour: | |
| Was a Watercourse Reached? | If YES, Volume Impacting the Wate | ercourse. |
| 🗌 Yes 🛛 No | | |
| If a Watercourse was Impacted, Describe Fully.* | | |
| Not Applicable | | |
| Not Applicable | | OIL CONS. DIV DIST. 3 |
| Describe Cause of Problem and Remedial Action Taken.* | | |
| | | |
| La Jara – Faulty gas detection sensor in Building 1A tripped ESD. The fa | ulty sensor was replaced. | FEB 2 2 2017 |
| | | |
| Describe Area Affected and Cleanup Action Taken.* | | |
| No clean-up required for natural gas releases vented to atmosphere. | | |
| | | |
| I hereby certify that the information given above is true and complete to t | | |
| regulations all operators are required to report and/or file certain release r | | |
| public health or the environment. The acceptance of a C-141 report by the | | |
| should their operations have failed to adequately investigate and remediat or the environment. In addition, NMOCD acceptance of a C-141 report of | | |
| federal, state, or local laws and/or regulations. | loes not reneve the operator of respons | ionity for compnance with any other |
| | OIL CONSERV | ATION DIVISION |
| Mu | | |
| Signature: | | |
| | Approved by Environmental Specialist | the is |
| Printed Name: Michael Hannan | | Conessa 5 |
| Title: Engineer, Sr. | Approval Date: 33/2017 | Expiration Date: |
| The Digition, Or | | |
| E-mail Address: michael.hannan@williams.com | Conditions of Approval: | Attrached D |
| | NUFITOLDO | Attached |
| Date: 02/13/17 Phone: 505-632-4807 | NVF1706229989 | |

* Attach Additional Sheets If Necessary

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 | X Initial Report | Final Repor |
|--|-----------------------------------|------------------|-------------|
| Name of Company: Williams Four Corners LLC | Contact: Monica Sandoval | | |
| Address: 1755 Arroyo Drive, Bloomfield, NM 87413 | Telephone No.: (505) 632-4625 | | |
| Facility Name: Trunk N | Facility Type: Compressor Station | | |
| | | | |

Surface Owner: BLM

Mineral Owner

API No.

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|----------|
| G | 17 | 32N | 7W | | | | | San Juan |

Latitude <u>36.98303° N</u> Longitude <u>-107.58655° W</u>

NATURE OF RELEASE

| Type of Release: Natural Gas | Volume of Release: 24,400 mcf | Volume Recovered: 0 |
|--|--|--|
| Source of Release: Station Discharge Header PSV | Date and Hour of Occurrence: | Date and Hour of Discovery: |
| | 1/26/2017 2:30am | 1/26/2017 5:30am |
| Was Immediate Notice Given? | If YES, To Whom? | |
| 🛛 Yes 🗌 No 🗌 Not Required | | |
| | BLM Whitney Thomas, Voicemail | follow up conversation 1/27/2017 |
| | @3:46pm | |
| By Whom? Monica Sandoval | Date and Hour: 1/26/2017 3:20pm | |
| Was a Watercourse Reached? | If YES, Volume Impacting the Wate | ercourse. N/A |
| 🗌 Yes 🖾 No | | |
| If a Watercourse was Impacted, Describe Fully.* | | |
| | | |
| N/A | | |
| | | |
| Describe Cause of Problem and Remedial Action Taken.* | | |
| Pilot line on the pilot operated PSV had liquid in it an due to cold temper | atures froze and caused an opening of t | he PSV at 375 lbs. Pressure never reached |
| the set point of 500 lbs. Gas loss 24.4 mmcf (24,400 mcf). | | |
| | | |
| Station was already shutdown due to cold weather. | | OIL CONS DU |
| | | DIV DIST 2 |
| Describe Area Affected and Cleanup Action Taken.* | | OIL CONS. DIV DIST. 3 FEB 2 2 2017 |
| | | FEB 22 2017 |
| | | |
| Pipeline blocked in to prevent further release. PSV replaced. | | - 11 |
| | he best of my knowledge and understa | |
| I hereby certify that the information given above is true and complete to t | | nd that pursuant to NMOCD rules and |
| I hereby certify that the information given above is true and complete to t regulations all operators are required to report and/or file certain release r public health or the environment. The acceptance of a C-141 report by th | notifications and perform corrective act e NMOCD marked as "Final Report" d | nd that pursuant to NMOCD rules and ions for releases which may endanger loes not relieve the operator of liability |
| I hereby certify that the information given above is true and complete to tregulations all operators are required to report and/or file certain release r public health or the environment. The acceptance of a C-141 report by th should their operations have failed to adequately investigate and remediate | notifications and perform corrective act the NMOCD marked as "Final Report" of the contamination that pose a threat to g | nd that pursuant to NMOCD rules and ions for releases which may endanger loes not relieve the operator of liability round water, surface water, human health |
| I hereby certify that the information given above is true and complete to tregulations all operators are required to report and/or file certain release republic health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediation the environment. In addition, NMOCD acceptance of a C-141 report of the environment. | notifications and perform corrective act the NMOCD marked as "Final Report" of the contamination that pose a threat to g | nd that pursuant to NMOCD rules and ions for releases which may endanger loes not relieve the operator of liability round water, surface water, human health |
| I hereby certify that the information given above is true and complete to tregulations all operators are required to report and/or file certain release r public health or the environment. The acceptance of a C-141 report by th should their operations have failed to adequately investigate and remediate | notifications and perform corrective act the NMOCD marked as "Final Report" of the contamination that pose a threat to go loes not relieve the operator of response | nd that pursuant to NMOCD rules and ions for releases which may endanger loes not relieve the operator of liability round water, surface water, human health ibility for compliance with any other |
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| I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release in public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report of federal, state, or local laws and/or regulations. | Approved by Environmental Specialis | nd that pursuant to NMOCD rules and ions for releases which may endanger loes not relieve the operator of liability round water, surface water, human health ibility for compliance with any other |
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* Attach Additional Sheets If Necessary

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

Revised August 8, 2011

Form C-141

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

Release Notification and Corrective Action

| | OPERATOR | Initial Report | \boxtimes | Final Report |
|--|-------------------------------|----------------|-------------|--------------|
| Name of Company: Williams Four Corners LLC | Contact: Monica Sandoval | | | |
| Address: 1755 Arroyo Drive, Bloomfield, NM 87413 | Telephone No.: (505) 632-4625 | | | |
| Facility Name: N 37 Line Leak | Facility Type: Pipeline | | | |
| | | | | |

| Surface Owner: BLM | Mineral Owner | API No. |
|--------------------|---------------|---------|
|--------------------|---------------|---------|

| | LOCATION OF RELEASE | | | | | | | | | |
|-------------|---------------------|----------|-------|---------------|------------------|---------------|----------------|----------|--|--|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County | | |
| D | 9 | 31N | 6W | | | | | San Juan | | |

Latitude N36.9188 Longitude W-107.4772

NATURE OF RELEASE

| Type of Release: Natural Gas | Volume of Release: 549.6 mcf | Volume Recovered: 0 |
|--|--|--|
| Source of Release: Pipeline leak | Date and Hour of Occurrence: | Date and Hour of Discovery: |
| | 3/7/2017 | 3/7/2017 |
| Was Immediate Notice Given? | If YES, To Whom? | |
| Yes No Not Required | 3/8/2017 4:10 pm Voicemail left wi | ith Cory Smith |
| | 3/8/2017 4:20pm spoke with Whitn | |
| By Whom? Monica Sandoval | Date and Hour: | |
| Was a Watercourse Reached? | If YES, Volume Impacting the Wat | ercourse. N/A |
| Yes X No | | |
| | UI | L CONS. DIV DIST. 3 |
| If a Watercourse was Impacted, Describe Fully.* | | 0101.0 |
| | | MAD 9 9 CONT |
| N/A | | MAR 2 3 2017 |
| | | Sandora in 🔹 |
| Describe Cause of Problem and Remedial Action Taken.* | | |
| On 3/7/2017 operations personnel discovered leak, stopped leak and bloc | ked in gas, until repairs could be made | e. Excavation and repairs on 3/8/2017. Gas |
| loss 549.6 mcf. | | |
| | | |
| | | |
| Describe Area Affected and Cleanup Action Taken.* | · · · · · · · · · · · · · · · · · · · | |
| Repairs on 3/8/2017. Sample on 3/9/2017 awaiting sample results. | | |
| Repairs on 5/6/2017. Sample on 5/9/2017 awaiting sample results. | | |
| I hereby certify that the information given above is true and complete to t | he best of my knowledge and understa | nd that nursuant to NMOCD rules and |
| regulations all operators are required to report and/or file certain release n | | |
| public health or the environment. The acceptance of a C-141 report by th | | |
| should their operations have failed to adequately investigate and remediat | | |
| or the environment. In addition, NMOCD acceptance of a C-141 report d | | |
| federal, state, or local laws and/or regulations. | loes not relieve the operator of respons | ionity for compliance with any other |
| rederal, state, or local laws and/or regulations. | OU CONCERN | |
| | OIL CONSERV | ATION DIVISION |
| Mancasandaval | | |
| Signature: | 1 | |
| | Approved by Environmental Specialis | |
| Printed Name: Monica Sandoval | | h |
| | 2.12 | |
| Title: Environmental Specialist | Approval Date: 320807 | Expiration Date: |
| | Approvar Date. Skappin | |
| E mail Address manice condevel@williams com | Conditions of Approval: | |
| E-mail Address: monica.sandoval@williams.com | Conditions of Approval: | Attached |
| | NVFIDD992798 | |
| Date: 3/17/2017 Phone: (505) 632-4625 | | |

* Attach Additional Sheets If Necessary

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.

| Address: 1755 Arroyo Drive, Bloomfield, NN 87413 Telephone No: (505) 632-625 Facility Name: SJ 32-7 26M Line Leak Facility Type: Pipeline Surface Owner: BLM Mineral Owner API No. LOCATION OF RELEASE County San Juan Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County San Juan Latitude N3655.9606 Longtude W10731.8049 NATURE OF RELEASE Volume of Release: Volume Recovered: 0 Source of Release: Pipeline leak Date and Hour of Discovery: 21/2017 If YES, To Mhon? Date and Hour of Discovery: 21/2017 Was Immediate Notice Given? If Yes No Int Required Notife MMOCD Cory Smith, upon discovery 2/20/2017 Sect follow up email to Cory on 2/21/2017 By Whon? Monica Sandoval Date and Hour: If YES, To Mhon? Not Was a Waterourse Reached? Yes No If YES, Volume Impacting the Waterourse. N/A By Whon? Annica Sandoval Date and Hour: If YES, Volume Impacting the Waterourse. N/A Was a waterourse was Impacted, Describe Fully.* OIL CONS. DIV DIST. 3 N/A Describe Cause of Problem and Remedial Action Taken.* </th <th>220 S. St. Flancis</th> <th>DI., Santa</th> <th>re, INIM 07505</th> <th></th> <th>S</th> <th>anta Fe</th> <th>e, NM 875</th> <th>05</th> <th></th> <th></th> <th></th> <th></th> <th></th> | 220 S. St. Flancis | DI., Santa | re, INIM 07505 | | S | anta Fe | e, NM 875 | 05 | | | | | | |
|--|---|-------------------------|-----------------|--------------------------|----------------------|------------|---|--------------------|----------------|-------------------|---------------|--------------|-----------|--|
| Name of Company: Williams Four Corrers LLC Contact: Monica Sandoval Address: 1755 Aroyo Drive, Bloomfield, NM 87413 Telephone No: (505) 632-4625 Facility Name: SJ 32-7 26M Line Leak Facility Type: Pipeline Surface Owner: BLM Mineral Owner API No. LOCCATION OF RELEASE San Juan Unit Letter Section Township Range 35 32N Range Feet from the Feet from the East/West Line County 36 Township Range Feet from the East/West Line County San Juan Latitude N3655.9606 Longitude W10731.8049 NATURE OF RELEASE Volume Recovered: 0 113.2005mcf Source of Release: Natural Gas Volume of Release: Date and Hour of Occurrence: Date and Hour of Discovery: 21/2017 Was Immediate Notice Given? Yes Not Required Not Required Not Required Was a Watercourse Reached? Yes No Not Required Not Required Was a Watercourse was Impacted, Describe Fully.* OIL CONS, DIV DIST. 3 N/A MAR 0 6 2017 Describe Cause of Problem and Remedial Action Taken.* Pipeline leak discove | | | | Rele | ease Notifi | catior | and Co | orrective A | ction | | | | | |
| Name of Company: Williams Four Corners LLC Contact: Monica Sandoval Address: 1752 ArroyD Drive, Bloomfield, NM 87413 Telephone No.: (505) 632-4625 Facility Name: SJ 32-7 26M Line Leak Facility Type: Pipeline Surface Owner: BLM Mineral Owner API No. LOCCATION OF RELEASE San Juan San Juan Unit Letter Section Township Range 7W Feet from the North/South Line Feet from the East/West Line County San Juan Latitude N3655.9606 Longitude W10731.8049 Nature OF RELEASE Volume Recovered: 0 Type of Release: Natural Gas Value Nor Gelease: Value Recovered: 0 113.2005mcf Date and Hour of Discovery: 2//2017 Source of Release: Pipeline leak Ury Sing To Whom? Not Required Not Required Not Required Was Immediate Notice Given? Yes 🖾 No If YES, To Whom? Not Required Not Required Was a Watercourse was Impacted, Describe Fully.* Not Required and Hour If YES, Yolume Impacting the Watercourse. N/A If a Watercourse was Impacted, Describe Fully.* NA MAR 0 6 2017 Describe Cause of Problem and Remedial Action Taken.* Pipeline leak discovered on 2/ | | | | | | | OPERA7 | ſOR | \boxtimes | Initi | al Report | Fina Fina | al Report | |
| Facility Name: SJ 32-7 26M Line Leak Facility Type: Pipeline Surface Owner: BLM Mineral Owner API No. Line Letter: Section Township Range Feet from the North/South Line Feet from the East/West Line County I 35 32N Range Feet from the North/South Line Feet from the East/West Line County Surface Owner: BLM Latitude N3655.9606 Longitude W10731.8049 Nature Or Release: Volume Recovered: 0 113.20305mcf Source of Release: Pipeline leak Volume of Release: Use and Hour of Discovery: 2/1/2017 Was Immediate Notice Given? Uvers No If Stype Type: Nohom? Notified MMOCD Cory Smith, upon discovery 2/20/2017 By Whom? Monica Sandoval Date and Hour: If YES, To Whom? Noi Not If YES, Volume Impacting the Watercourse. N/A MAR 0 6 2017 Describe Cause of Problem and Remedial Action Taken.* * OIL CONS. DIV DIST. 3 N/A MAR 0 6 2017 Describe Area Affected and Cleanup Action Taken.* * Pipeline leak discovered on 2/1/2017, Repairs to leak made on 2/8/2017. Environmental Department was not notified unit 2/20/2017 of leak. Upon follow up it was | | | | | | (| Contact: Mo | onica Sandoval | | | | | | |
| Surface Owner: BLM Mineral Owner API No. LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County 1 35 32N North/South Line Feet from the East/West Line County Surface Owner: BLM Latitude N3655.9606 Longitude W10731.8049 Nature Of ReLEASE Volume of Release: Volume of Release: Volume of Release: Date and Hour of Discovery: 21//2017 21//2017 21//2017 21//2017 21//2017 21//2017 21//2017 21//2017 No | | | | | JM 87413 | | | | 4625 | | | | | |
| LOCATION OF RELEASE Unit Letter Section Township Rage Feet from the North/South Line Feet from the East/West Line County 1 35 32N 7w Township Rage Feet from the North/South Line Feet from the East/West Line County Latitude N3655.9606 Longitude W10731.8049 Nature of Release: Nature of Release: Volume of Release: Date and Hour of Discovery: 21//2017 Was Immediate Notice Given? | Facility Name: | : SJ 32-1 | 26M Line | Leak | | 1 | Facility Type | e: Pipeline | | | | | | |
| Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County 35 32N 7W Feet from the North/South Line Feet from the East/West Line County Surve of Release: Natural Gas Volume of Release: Volume of Release: Volume Recovered: 0 Source of Release: 113.20305mcf Date and Hour of Occurrence: Date and Hour of Discovery: 2/1/2017 Was Immediate Notice Given? Yes No Not Required If YES, To Whom? Notified XMOCD Cory Smith, upon discovery 2/20/2017 By Whom? Monica Sandoval Date and Hour: Date and Hour: NA NA Was a Watercourse Reached? Yes No If YES, Volume Impacting the Watercourse. N/A Describe Cause of Problem and Remedial Action Taken.* MAR 0 6 2017 Describe Cause of Problem and Remedial Action Taken.* MAR 0 6 2017 Describe Area Affected and Cleamup Action Taken.* Excavation was too wet to sample. Excavation blocked locatin access so was backfilled and flagged for sampling at a later date. Iteredy certify that the information taken at real as motifications and perform corrective actions for releases which may endingrig public health or the environment. In addition, NMOCD marked | Surface Owner | r: BLM | | | Mineral (| Owner | | | A | PI No |). | | | |
| Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County 35 32N 7W Feet from the North/South Line Feet from the East/West Line County Surve of Release: Natural Gas Volume of Release: Volume of Release: Volume Recovered: 0 Source of Release: 113.20305mcf Date and Hour of Occurrence: Date and Hour of Discovery: 2/1/2017 Was Immediate Notice Given? Yes No Not Required If YES, To Whom? Notified XMOCD Cory Smith, upon discovery 2/20/2017 By Whom? Monica Sandoval Date and Hour: Date and Hour: NA NA Was a Watercourse Reached? Yes No If YES, Volume Impacting the Watercourse. N/A Describe Cause of Problem and Remedial Action Taken.* MAR 0 6 2017 Describe Cause of Problem and Remedial Action Taken.* MAR 0 6 2017 Describe Area Affected and Cleamup Action Taken.* Excavation was too wet to sample. Excavation blocked locatin access so was backfilled and flagged for sampling at a later date. Iteredy certify that the information taken at real as motifications and perform corrective actions for releases which may endingrig public health or the environment. In addition, NMOCD marked | | | | | LOC | ATIO | N OF REJ | EASE | | | | | | |
| 1 35 32N 7W San Juan Latitude N3655.9606 Longitude W10731.8049 NATURE OF RELEASE Type of Release: Natural Gas Volume of Release: Volume Recovered: 0 113.20305mcf Date and Hour of Docurrence: Date and Hour of Discovery: 21//2017 21//2017 21//2017 Was Immediate Notice Given? If YES, To Whom? Notified NMOCD Cory Smith, upon discovery 2/20/2017 By Whon? Monica Sandoval Date and Hour: Notified NMOCD Cory Smith, upon discovery 2/20/2017 By Whom? Monica Sandoval Date and Hour: Notified NMOCD Cory Smith, upon discovery 2/20/2017 By Whom? Monica Sandoval If YES, Volume Impacting the Watercourse. N/A If YES, Volume Impacting the Watercourse. N/A Was a Watercourse was Impacted, Describe Fully.* OIL CONS. DIV DIST. 3 N/A MAR 0 6 2017 Describe Cause of Problem and Remedial Action Taken.* Preparis to leak made on 2/8/2017. Environmental Department was not notified unit 2/20/2017 of leak. Upon follow up it was determined that reparis to leak made on 2/8/2017. Environmental Department was not notified unit 2/20/2017 of leak. Upon follow up it was determined that reparis and arealy been completed. Immediate notification was made to NMOCD Cory Smith. <td 1="" 2="" 2017.="" colspace="" discovered="" heak="" leak="" made="" o<="" on="" public="" repairs="" td="" to=""><td>Unit Letter S</td><td></td><td>Township</td><td></td><td></td><td></td><td></td><td></td><td>East/West</td><td>t Line</td><td>County</td><td></td><td></td></td> | <td>Unit Letter S</td> <td></td> <td>Township</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>East/West</td> <td>t Line</td> <td>County</td> <td></td> <td></td> | Unit Letter S | | Township | | | | | | East/West | t Line | County | | |
| NATURE OF RELEASE Type of Release: Natural Gas Volume of Release: Volume Recovered: 0 Source of Release: Pipeline leak Date and Hour of Occurrence: Date and Hour of Discovery: 211/2017 211/2017 211/2017 Was Immediate Notice Given? IFYES, To Whom? Not Required IFYES, To Whom? Monica Sandoval Date and Hour By Whom? Monica Sandoval Date and Hour Not field NMOCD Cory Smith, upon discovery 2/20/2017 By Whom? Monica Sandoval Date and Hour Not Gory on 2/21/2017 By Whom? Monica Sandoval Date and Hour Not Gory on 2/21/2017 By Whom? Monica Sandoval Date and Hour Not Gory on 2/21/2017 By Whom? Monica Sandoval Date and Hour Not Cory on 2/21/2017 By Whom? Monica Sandoval Date and Hour Not Cory on 2/21/2017 By Whom? Monica Sandoval If YES, Volume Impacting the Watercourse. N/A If a Watercourse was Impacted, Describe Fully.* OIL CONS. DIV DIST. 3 N/A MAR 0 & 2017 Describe Cause of Problem and Remedial Action Taken.* Pipeline leak discovered on 2/1/2017. Repairs to leak made on 2/8/2017. Environmental Department was not notified unit 2/2/0/2017 of leak. Upon follow up it was determined that repairs had | I | 35 | 32N | 7W | | | | | | | San Juan | | | |
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| Type of Release: Natural Gas Volume of Release: Volume Recovered: 0 Source of Release: Pipeline leak Date and Hour of Occurrence: 2/1/2017 Was Immediate Notice Given? Its and Hour of Occurrence: 2/1/2017 By Whom? Monica Sandoval Date and Hour of Cocurrence: 2/1/2017 By Whom? Monica Sandoval Date and Hour of Cocurrence: 2/1/2017 By Whom? Monica Sandoval Date and Hour of Cory on 2/21/2017 By Whom? Monica Sandoval Date and Hour : Was a Watercourse Reached? Yes I No If YES, Volume Impacting the Watercourse. N/A If a Watercourse was Impacted, Describe Fully.* OIL CONS. DIV DIST. 3 N/A MAR 0 6 2017 Describe Cause of Problem and Remedial Action Taken.* Pipeline leak discovered on 2/1/2017. Repairs to leak made on 2/8/2017. Environmental Department was not notified unit 2/20/2017 of leak. Upon follow up it was determined that repairs had already been completed. Immediate notification was made to NMOCD Cory Smith. Describe Area Affected and Cleamy Action Taken.* Excavation blocked location access so was backfilled and flagged for sampling at a later date. 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 and perform corrective actions for releases which may endanger public health ore environment. In add | | | | | | | | | | | | | | |
| 113.2030mcf Source of Release: Pipeline leak 2/1/2017 Was Immediate Notice Given? Press Mas Immediate Notice Given? Press Mas Immediate Notice Given? Press Mas a Watercourse Acadoval By Whom? Monica Sandoval Was a Watercourse Reached? Press N/A Date and Hour: If a Watercourse was Impacted, Describe Fully.* N/A Describe Cause of Problem and Remedial Action Taken.* Pipeline leak discovered on 2/1/2017. Repairs to leak made on 2/8/2017. Environmental Department was not notified unit 2/20/2017 of leak. Upon follow up it was determined that repairs had already been completed. Immediate notification was made to NMOCD Cory Smith. Describe Area Affected and Cleanup Action Taken.* Pipeline leak discovered on 2/1/2017. Repairs to leak made on 2/8/2017. Environmental Department was not notified unit 2/20/2017 of leak. Upon follow up it was to wet to sample. Excavation blocked location access so was backfilled and flagged for sampling at a later date. In eredu operators are required to report and/or file cartin 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 responsibility for compliance with any other | Type of Release | e Natural | Gas | | | UNE | | | Vc | Jume F | Recovered: (| | | |
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| Was Immediate Notice Given? Yes No Not Required If YES, To Whom? Notified NMOCD Cory Smith, upon discovery 2/20/2017 By Whom? Monica Sandoval Date and Hour: Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. N/A If a Watercourse was Impacted, Describe Fully.* Oil CONS. DIV DIST. 3 N/A MAR 0 6 2017 Describe Cause of Problem and Remedial Action Taken.* Pipeline leak discovered on 2/1/2017. Repairs to leak made on 2/8/2017. Environmental Department was not notified unit 2/20/2017 of leak. Upon follow up it was determined that repairs had already been completed. Immediate notification was made to NMOCD Cory Smith. Describe Area Affected and Cleanup Action Taken.* * Excavation blocked location access so was backfilled and flagged for sampling at a later date. 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 Final that or the environment. The 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. MuCOS Marked OIL CONSERVATION DIVISION MucOS Ma | Source of Relea | se: Pipeli | ne leak | | | | | our of Occurrence | | | | covery: | | |
| Yes No Not Required Notified NMOCD Cory Smith, upon discovery 2/20/2017 By Mhom? Monica Sandoval Date and Hour: Sent follow up email to Cory on 2/21/2017 By Mhom? Monica Sandoval Date and Hour: If YES, Volume Impacting the Watercourse. N/A If a Watercourse was Impacted, Describe Fully.* OIL CONS. DIV DIST. 3 N/A MAR 0 6 2017 Describe Cause of Problem and Remedial Action Taken.* Pipeline leak discovered on 2/1/2017. Repairs to leak made on 2/8/2017. Environmental Department was not notified unit 2/20/2017 of leak. Upon follow up it was determined that repairs had already been completed. Immediate notification was made to NMOCD Cory Smith. Describe Area Affected and Cleamp Action Taken.* Excavation was too wet to sample. Excavation blocked location access so was backfilled and flagged for sampling at a later date. 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 to the NMOCD marked as "Final Report" does not relieve the operator of fiability 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. The 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. | Was Immediate | Notice C | liven? | | | | | Whom? | 2/1 | /2017 | | | | |
| Sent follow up email to Cory on 2/21/2017 By Whom? Monica Sandoval Date and Hour: Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. N/A If a Watercourse was Impacted, Describe Fully.* Oil CONS. DIV DIST. 3 N/A MAR 0 6 2017 Describe Cause of Problem and Remedial Action Taken.* Pipeline leak discovered on 2/1/2017. Repairs to leak made on 2/8/2017. Environmental Department was not notified unit 2/20/2017 of leak. Upon follow up it was determined that repairs had already been completed. Immediate notification was made to NMOCD Cory Smith. Describe Area Affected and Cleanup Action Taken.* Excavation blocked location access so was backfilled and flagged for sampling at a later date. 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 correlive actions for releases which may endanger public health or the environment. In addition, NMOCD 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 federal, state, or local laws and/or regulations all complete. Mucles Alexa Affected Name: Mark 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 all condecustor of a C-141 report does not relieve the opensitor of respon | W do minie diale | INDIAGE | | Yes 🛛 | J No 🗌 Not R | equired | | | ith, upon dis | covery | 2/20/2017 | | | |
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| Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. N/A If a Watercourse was Impacted, Describe Fully.* Oil CONS. DIV DIST. 3 N/A MAR 0 6 2017 Describe Cause of Problem and Remedial Action Taken.* Pipeline leak discovered on 2/1/2017. Repairs to leak made on 2/8/2017. Environmental Department was not notified unit 2/20/2017 of leak. Upon follow up it was determined that repairs had already been completed. Immediate notification was made to NMOCD Cory Smith. Describe Area Affected and Cleanup Action Taken.* Excavation blocked location access so was backfilled and flagged for sampling at a later date. 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 Air acce 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. MAR 0 AgavA OIL CONSERVATION DIVISION Signature: Printed Name: Monica Sandoval Title: Environmental Specialist Approval Date: 3/2 1/1 7 Expiration Date: E-mail Address: monica.sandoval@williams.com OIL CONSERVATION DIVISION <t< td=""><td>By Whom? Mc</td><td>onica San</td><td>doval</td><td></td><td></td><td></td><td>Date and F</td><td>lour</td><td></td><td></td><td></td><td></td><td></td></t<> | By Whom? Mc | onica San | doval | | | | Date and F | lour | | | | | | |
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Operator/Responsible Party,

The OCD has received the form C-141 you provided on $\frac{3/6/17}{1600}$ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number $\frac{100629353}{100629353}$ has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District III office in Aztec on or before $\frac{4}{27}$. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

• Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

• Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

Nominal detection limits for field and laboratory analyses must be provided.

• Composite sampling is not generally allowed.

• Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us 7

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State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Form C-141 Revised August 8, 2011

JI

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

| 1220 S. St. Franc | Santa Fe, NM 87505 Santa Fe, NM 87505 | | | | | | | | | | | |
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| | | o Dr., Farmi | ington, N | IM 87413 | | | No.: (505) 632-4 | 475 | | | | |
| Facility Nan | ne: Reid | B1-E | | |] | Facility Type | e: Pipeline | | | | | |
| Surface Own | ner: Bure | au of Land M | Manager | ment Mineral | Owner | r | | | BLM P | roject No. N | NMNN | 4041898 |
| | | | | LOCA | IOITA | N OF REL | EASE | | | | | |
| Unit Letter G | Section 31 | Township 29N | Range 10W | Feet from the | | /South Line | Feet from the | East/V | West Line | County San Juan | | |
| - Mar | | - | | Latitude <u>36</u> | 68330 | Longitud | e <u>-107.92170</u> | | | | | |
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| Describe Area Pipeline has I | | | | ken.* gns of soil impact | s or liqu | uids loss. | | | | | | |
| I hereby certif | fy that the i | nformation gi | ven above | e is true and compl | lete to th | ne best of my | knowledge and u | nderstar | nd that purs | suant to NMC | OCD ru | les and |
| regulations all public health should their o or the environ | l operators a or the envir operations ha ment. In a | are required to ronment. The ave failed to a | o report an acceptance adequately OCD accept | nd/or file certain re ce of a C-141 repo v investigate and re otance of a C-141 r | elease no ort by the emediate | otifications an e NMOCD ma e contaminatio | ad perform correct arked as "Final Re on that pose a thre e the operator of r | tive acti eport" d eat to gr responsi | tions for rele does not relia round water sibility for co | eases which r ieve the opera r, surface wat ompliance wi | may end ator of ter, hun vith any | danger liability nan health |
| | 11 | 1 M | 5 | | | | OIL CONS | SERV | ATION | DIVISIO | N | |
| Signature: | 10 | r #t |) | | 1 | Approved by | Environmental Sp | pecialist | t: | \square | | |
| Printed Name | : Kijun Ho | ng | | | | | 1 | | 2 | YE | 5 | |
| Title: Enviro | | | | | 4 | Approval Date | e:3114120 | N | Expiration I | Date: | ~ | |
| E-mail Addre | ss: <mark>kijun.h</mark> | ong@william | s.com | | | Conditions of Approval: Attached | | | | | | |
| Date: 03/1/20 | | | one: (505) | 632-4475 | 7 | Nesi | 703935 | 280 | 8 | | | |
| Attach Addit | Attach Additional Sheets If Necessary | | | | | | | | | | | |



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

February 24, 2017

Kijun Hong Williams Field Services 1755 Arroyo Dr., Bloomfield, NM 87413 TEL: (505) 632-4442 FAX

RE: Reid B-1-E

OrderNo.: 1702833

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/18/2017 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued February 23, 2017.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1702833

Date Reported: 2/24/2017

Hall Environmental Analysis Laboratory, Inc.

*

 CLIENT:
 Williams Field Services
 Client Sample ID: Reid B-1-E Northside

 Project:
 Reid B-1-E
 Collection Date: 2/17/2017 11:50:00 AM

 Lab ID:
 1702833-001
 Matrix:
 SOIL
 Received Date: 2/18/2017 9:35:00 AM

 Analyses
 Result
 PQL
 Qual
 Units
 DF Date Analyzed
 Batch

| | the second se | | the second s | | | |
|---------------------------------|---|--------|--|---|----------------------|-------|
| EPA METHOD 8015M/D: DIESEL RANG | | 6 | | | Analyst | TOM |
| Diesel Range Organics (DRO) | ND | 9.6 | mg/Kg | 1 | 2/22/2017 9:54:28 AM | 30319 |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 2/22/2017 9:54:28 AM | 30319 |
| Surr: DNOP | 106 | 70-130 | %Rec | 1 | 2/22/2017 9:54:28 AM | 30319 |
| EPA METHOD 8015D: GASOLINE RAN | GE | | | | Analyst | NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 2/21/2017 4:38:36 PM | 30297 |
| Surr: BFB | 77.5 | 54-150 | %Rec | 1 | 2/21/2017 4:38:36 PM | 30297 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB |
| Benzene | ND | 0.024 | mg/Kg | 1 | 2/21/2017 4:38:36 PM | 30297 |
| Toluene | ND | 0.048 | mg/Kg | 1 | 2/21/2017 4:38:36 PM | 30297 |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 2/21/2017 4:38:36 PM | 30297 |
| Xylenes, Total | ND | 0.097 | mg/Kg | 1 | 2/21/2017 4:38:36 PM | 30297 |
| Surr: 4-Bromofluorobenzene | 83.9 | 80-120 | %Rec | 1 | 2/21/2017 4:38:36 PM | 30297 |
| | | | | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | В | Analyte detected in the associated Method Blank |
|---|----|--|----|---|
| | D | Sample Diluted Due to Matrix | Е | Value above quantitation range |
| H Holding times for preparation or analysis exceeded | | | J | Analyte detected below quantitation limits Page 1 of 6 |
| | ND | Not Detected at the Reporting Limit | Р | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | | | W | Sample container temperature is out of limit as specified |
| | | | | |

Analytical Report

Lab Order 1702833

Date Reported: 2/24/2017

Batch

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services Client Sample ID: Reid B-1-E Southside Collection Date: 2/17/2017 11:55:00 AM **Project:** Reid B-1-E 1702833-002 Lab ID: Matrix: SOIL Received Date: 2/18/2017 9:35:00 AM **DF** Date Analyzed Result **PQL Qual Units** Analyses

| 111111.5000 | | - 4- 4- | | ~ | 2 are ranary 200 | Daten |
|--------------------------------|--------------|---------|-------|---|-----------------------|-------|
| EPA METHOD 8015M/D: DIESEL RA | NGE ORGANICS | 5 | | | Analyst | том |
| Diesel Range Organics (DRO) | 22 | 9.7 | mg/Kg | 1 | 2/22/2017 10:59:29 AM | 30319 |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 2/22/2017 10:59:29 AM | 30319 |
| Surr: DNOP | 106 | 70-130 | %Rec | 1 | 2/22/2017 10:59:29 AM | 30319 |
| EPA METHOD 8015D: GASOLINE R | ANGE | | | | Analyst | NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 2/21/2017 8:08:14 PM | 30297 |
| Surr: BFB | 85.5 | 54-150 | %Rec | 1 | 2/21/2017 8:08:14 PM | 30297 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB |
| Benzene | ND | 0.024 | mg/Kg | 1 | 2/21/2017 8:08:14 PM | 30297 |
| Toluene | ND | 0.048 | mg/Kg | 1 | 2/21/2017 8:08:14 PM | 30297 |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 2/21/2017 8:08:14 PM | 30297 |
| Xylenes, Total | ND | 0.097 | mg/Kg | 1 | 2/21/2017 8:08:14 PM | 30297 |
| Surr: 4-Bromofluorobenzene | 90.4 | 80-120 | %Rec | 1 | 2/21/2017 8:08:14 PM | 30297 |
| | | | | | | |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | * | Value exceeds Maximum Contaminant Level. |
|-------------|---|--|
| | D | Comple Diluted Due to Matrix |

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 6 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report Lab Order 1702833

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Reid B-1-E

Project:

Date Reported: 2/24/2017 Client Sample ID: Reid B-1-E Stockpile Collection Date: 2/17/2017 12:00:00 PM Received Date: 2/18/2017 9:35:00 AM

| Lab ID: 1702833-003 | Matrix: | SOIL | Received 1 | Date: 2/1 | 18/2017 9:35:00 AM | |
|--------------------------------|-------------|--------|------------|-----------|-----------------------|-------|
| Analyses | Result | PQL Qu | al Units | DF | Date Analyzed | Batch |
| EPA METHOD 8015M/D: DIESEL RAN | GE ORGANICS | | | | Analyst | том |
| Diesel Range Organics (DRO) | ND | 9.3 | mg/Kg | 1 | 2/22/2017 11:21:07 AM | 30319 |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 2/22/2017 11:21:07 AM | 30319 |
| Surr: DNOP | 105 | 70-130 | %Rec | 1 | 2/22/2017 11:21:07 AM | 30319 |
| EPA METHOD 8015D: GASOLINE RAM | IGE | | | | Analyst | NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 2/21/2017 8:34:18 PM | 30297 |
| Surr: BFB | 82.8 | 54-150 | %Rec | 1 | 2/21/2017 8:34:18 PM | 30297 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB |
| Benzene | ND | 0.023 | mg/Kg | 1 | 2/21/2017 8:34:18 PM | 30297 |
| Toluene | ND | 0.047 | mg/Kg | 1 | 2/21/2017 8:34:18 PM | 30297 |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 2/21/2017 8:34:18 PM | 30297 |
| Xylenes, Total | ND | 0.093 | mg/Kg | 1 | 2/21/2017 8:34:18 PM | 30297 |
| Surr: 4-Bromofluorobenzene | 92.4 | 80-120 | %Rec | 1 | 2/21/2017 8:34:18 PM | 30297 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | В | Analyte detected in the associated Method Blank |
|-------------|----|---|----|---|
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | Н | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits Page 3 of 6 |
| | ND | Not Detected at the Reporting Limit | Р | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1702833

24-Feb-17

| Client: Project: | Williams Reid B-1- | Field Servic E | es | | | | | | | | |
|---------------------|-----------------------|-------------------|--------------|-----------|-------------|-----------|-----------|--------------|------------|------------|---------|
| Sample ID | 1702833-001AMS | SampTyp | e: MS | S | Tes | tCode: E | PA Method | 8015M/D: Di | esel Rang | e Organics | |
| Client ID: | Reid B-1-E Norths | id Batch II | D: 30 | 319 | F | RunNo: 4 | 0900 | | | | |
| Prep Date: | 2/21/2017 | Analysis Date | e: 2/ | 22/2017 | 5 | SeqNo: 1 | 281337 | Units: mg/k | ٢g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| | Organics (DRO) | 57 | 9.6 | 48.08 | 6.419 | 106 | 51.6 | 130 | | | 64 50 U |
| Surr: DNOP | | 5.0 | | 4.808 | | 104 | 70 | 130 | | | |
| Sample ID | LCS-30319 | SampTyp | e: LC | s | Tes | tCode: El | PA Method | 8015M/D: Di | esel Rang | e Organics | |
| Client ID: | LCSS | Batch II | D: 30 | 319 | F | RunNo: 4 | 0900 | | | | |
| Prep Date: | 2/21/2017 | Analysis Date | e: 2/ | 22/2017 | S | SeqNo: 1 | 281338 | Units: mg/k | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range (| Organics (DRO) | 49 | 10 | 50.00 | 0 | 97.5 | 63.8 | 116 | | | |
| Surr: DNOP | | 4.8 | | 5.000 | | 95.6 | 70 | 130 | | | |
| Sample ID | MB-30319 | SampTyp | e: Me | BLK | Tes | tCode: El | PA Method | 8015M/D: Die | esel Rang | e Organics | |
| Client ID: | PBS | Batch II |): 30 | 319 | R | unNo: 4 | 0900 | | | | |
| Prep Date: | 2/21/2017 | Analysis Date | e: 2/ | 22/2017 | S | eqNo: 1 | 281339 | Units: mg/K | g | | |
| Analyte | | Result I | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| - | Organics (DRO) | ND | 10 | | | | | | | | |
| | e Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | | 10 | | 10.00 | | 104 | 70 | 130 | | | |
| Sample ID | 1702833-001AMSD | SampTyp | e: MS | SD | Test | Code: El | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: | Reid B-1-E Norths | id Batch II |): 30 | 319 | R | unNo: 4 | 0900 | | | | |
| Prep Date: | 2/21/2017 | Analysis Date | e: 2/ | 22/2017 | S | eqNo: 1 | 281340 | Units: mg/K | g | | |
| Analyte | | Result I | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range (| Organics (DRO) | 49 | 9.5 | 47.66 | 6.419 | 90.3 | 51.6 | 130 | 14.5 | 20 | |
| Surr: DNOP | | 4.9 | | 4.766 | | 103 | 70 | 130 | 0 | 0 | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 4 of 6

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: | Williams | Field Ser | vices | | | | | | | | |
|-------------------|---------------|------------|----------|-----------|--------------|-----------|-----------|-------------|-----------|----------|------|
| Project: | Reid B-1- | -E | | | | | | | | | |
| Sample ID ME | B-30297 | Samp | Гуре: МІ | BLK | Tes | tCode: El | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: PE | BS | Batc | h ID: 30 | 297 | RunNo: 40879 | | | | | | |
| Prep Date: 2 | /20/2017 | Analysis [| Date: 2/ | /21/2017 | 5 | SeqNo: 1 | 280787 | Units: mg/k | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Or | rganics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | | 700 | | 1000 | | 70.4 | 54 | 150 | | | |
| Sample ID LC | S-30297 | Samp | Type: LC | s | Tes | tCode: El | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: LC | ss | Batc | h ID: 30 | 297 | F | RunNo: 4 | 0879 | | | | |
| Prep Date: 2 | /20/2017 | Analysis D | Date: 2/ | 21/2017 | S | SeqNo: 1 | 280788 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Or | rganics (GRO) | 28 | 5.0 | 25.00 | 0 | 111 | 76.4 | 125 | | | |
| Surr: BFB | | 990 | | 1000 | | 99.2 | 54 | 150 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 5 of 6

WO#: 1702833 24-Feb-17

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

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1.000

Williams Field Services

| Project: Reid | 1 B-1-E | | | | | | | | | |
|----------------------------|------------|----------|-----------|-------------|-----------|-----------|--------------|-------|----------|------|
| Sample ID MB-30297 | Samp | Туре: МЕ | BLK | Tes | tCode: El | PA Method | 8021B: Volat | tiles | | |
| Client ID: PBS | Batc | h ID: 30 | 297 | F | RunNo: 4 | 0879 | | | | |
| Prep Date: 2/20/2017 | Analysis [| Date: 2/ | 21/2017 | S | SeqNo: 1 | 280834 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.77 | | 1.000 | | 76.6 | 80 | 120 | | | S |
| Sample ID LCS-30297 | Samp | Type: LC | S | Tes | tCode: El | PA Method | 8021B: Volat | tiles | | |
| Client ID: LCSS | Batc | h ID: 30 | 297 | R | unNo: 4 | 0879 | | | | |
| Prep Date: 2/20/2017 | Analysis [| Date: 2/ | 21/2017 | S | eqNo: 1 | 280836 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.97 | 0.025 | 1.000 | 0 | 96.9 | 75.2 | 115 | | | |
| Toluene | 0.98 | 0.050 | 1.000 | 0 | 97.7 | 80.7 | 112 | | | |
| Ethylbenzene | 0.96 | 0.050 | 1.000 | 0 | 96.0 | 78.9 | 117 | | | |
| Xylenes, Total | 2.9 | 0.10 | 3.000 | 0 | 97.4 | 79.2 | 115 | | | |

75.8

80

120

Qualifiers:

Client:

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D

Surr: 4-Bromofluorobenzene

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- Value above quantitation range Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL **Reporting Detection Limit**
- W Sample container temperature is out of limit as specified

WO#: 1702833

24-Feb-17

Page 6 of 6

S

| HALL ENVIRONMENTAL ANALYSIS LABORATORY | Hall Environmental A Albua TEL: 505-345-3975 I Website: www.hal | 4901 yueryu +AX: 3 | Hawkins NE e, NM 87109 05-345-4107 | Sam | ple Log-In C | heck List |
|---|--|--------------------------|--|--|--|---|
| Client Name: WILLIAMS FIELD SERVI | Work Order Number: | 1702 | 333 | | RoptNo: | 1 |
| Received by/date: LM C | 12/02/17 | | | | an a | a a su tha an ann an a |
| | 2/18/2017 9:35:00 AM | | a | stran | | |
| Reviewed By: | 02/20/17 | | | | | |
| Chain of Custody | | | | | | a consequences and an an an and and |
| 1. Custody seals intact on sample bottles? | | Yes | | No 🗌 | Not Present | |
| 2. Is Chain of Custody complete? | | Yes | | No 🗌 | Not Present | |
| 3. How was the sample delivered? | | Cour | ier | | | |
| Log in | | | | | | |
| 4. Was an attempt made to cool the samples? | | Yes | V | No 🗌 | NA 🗔 | |
| 5. Were all samples received at a temperature of | of >0° C to 6.0°C | Yes | | No 🗌 | NA 🗌 | |
| 6. Sample(s) in proper container(s)? | | Yes | | No 🗌 | | |
| 7. Sufficient sample volume for indicated test(s) | ? | Yes | | No 🕅 | | |
| 8. Are samples (except VOA and ONG) properly | preserved? | Yes | × | No 🗌 | | |
| 9. Was preservative added to bottles? | | Yes | | No 🗹 | NA | |
| 10. VOA vials have zero headspace? | | Yes | | No 🗌 | No VOA Vials 🗹 | |
| 11, Were any sample containers received broken | 1? | Yes | | No 🗹 | # of preserved bottles checked | |
| 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes | | No 🗆 | for pH: | r >12 unless noted) |
| 13. Are matrices correctly identified on Chain of C | ustody? | Yes | \checkmark | No 🗌 | Adjusted? | |
| 14, Is it clear what analyses were requested? | | Yes | | No 🗌 | | |
| Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes | | No | Checked by: | |
| Special Handling (if applicable) | | | | | | |
| 16. Was client notified of all discrepancies with th | is order? | Yes | | No 🗌 | NA 🗹 | |
| Person Notified: | Date | | | and the second | | |
| By Whom: | Via: | eMa | il Phon | e 🗍 Fax | In Person | |
| Regarding: | | | | | | |
| Client Instructions: 17. Additional remarks: | | | | | | |
| | | | | | | |
| 18. <u>Cooler Information</u> <u>Cooler No</u> <u>Temp °C</u> <u>Condition</u> <u>Sea</u> <u>1</u> 2.8 Good Yes | il Intact Seal No S | ieal Da | ite Sig | ned By | | |
| | and the second | | | | an a | |

| Page 1 o | of l |
|----------|------|
|----------|------|

. . . 6

| C | Chain | -of-Cu | stody Record | Turn-Around | Time: | |] | | | | | | - | | | | | | | |
|---------|----------|-----------|--|---------------|-------------------|-------------------|-------------------------|----------------|-----------------------------|--------------------|--------------------|-----------------------|---------------|--|------------------------------|-------------|--------------------------|-----------|---------------------|--|
| Client: | WFS | | | Standard | 🗆 Rush | | | | | | | | | | | | | | | |
| | | char an a | | Project Name | | | | | | | | | | | ment | | | RP | | |
| Mailing | Address | : 175 | 5 ARROYO DR | Deid | B-2-1 | F | | 10 | 01 L | | | | | | | | M 87 | 100 | | |
| RID | om Fir. | 12 NA | y 87413 | Project #: | | | - | | el. 50 | | | | | | | | 4107 | | | |
| | | | 4475- | 1 | Toda | ijun Hong uli7 | | 16 | -1. JU | | | and the second second | | | Req | | Contraction of the owner | | | |
| | | | Howg Qwillions-com | Project Mana | | | | (y) | ଚି | | | | | | | | | | | |
| | Package: | | <u> </u> | | | | 021 | s on | MH | | | ŝ | | 4.SC | B'S | | | | | |
| □ Star | ndard | | Level 4 (Full Validation) | Kijun | | | -S (8) | (Ga | RO | | | SIMS) | | PO | 2 PC | | | | | |
| Accred | | | - | | Killin | | TMB's (8021) | TPH (Gas only) | 0/1 | F. | F. | 8270 | | NO | 808 | | | | al a second | Î |
| | | | ۲ | On Ice; | Pres perature: 21 | | + | + | GRC | 418 | 504 | or 8. | S | K03. | es / | | (YO | | for advertise at a | or |
| | O (Type) | | l . | Sample Tent | | 8 | - H | ATBI | 5B ((| poq | poul | 310 | Meta | CI.I | licid | (AO | V-in | | Construction of the | es () |
| Date | Time | Matrix | Sample Request ID | Container | Preservative | HEAL No. | + | V +) | 801 | (Mei | (Me | s (8: | A 8 I | IS (F | Pes | 3 2 | (Se | | | Iqqr |
| | | | | Type and # | Туре | MOZ833 | BTEX + M TBE | BTEX + MTBE + | TPH 8015B (GRO / DRO / MRO) | TPH (Method 418.1) | EDB (Method 504.1) | PAH's (8310 or | RCRA 8 Metals | Attions (F.Cl.NO ₃ .NO ₂ .PO ₄ .SO ₄) | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) | | | Air Bubbles (Y or N) |
| 17/17 | 11:50 | 50:1 | Reidborthsec | 1-402 | Cool | -001 | X | | X | - | - | | <u>u</u> _ | 4 | 8 | 8 | 8 | | | |
| 11/17 | 11:55 | 18 | Reid Bit-E south side | 1-402 | 1 | -002 | X | | X | | | | | | | | | | | ere de la décadora de la Condición II. |
| 12/17 | | 501 | Reid Bitti-Le | 1-402 | + | -003 | X | | X | | | | | | | | | | | |
| 701 | | | T | 1-100 | | | 1 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 1 | | | | | | | | | | | | | |
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| Date | Time: | Reinquish | ed by: | Received by: | ,] | Date Time | | nark | s: | | | | | | | | | | | |
| 1/17 | 1421 | Mor | 4 Fillon | Must | Walta | 2/17/17 1/21 | | | | | | | | | | | | | | |
| Date: | Time: | Reinquish | | Flece ved by: | A | Date Time | | | | | | | | | | | | | | |
| 411/17 | 1751 | 1 you | iste Waller | | 731 | 02/18/17 0935 | | | | | | | | | | | | | | |

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be deally notated on the analytical report.

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

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State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 8, 2011

Final Report

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

Release Notification and Corrective Action

OPERATOR Initial Report

| Contact: Kijun Hong |
|-------------------------------|
| Telephone No.: (505) 632-4475 |
| Facility Type: Pipeline |
| |

Surface Owner: Bureau of Land Management Mineral Owner

BLM Project No.

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|----------|
| Μ | 01 | 27N | 10W | | | | | San Juan |

Latitude <u>36.60421</u> Longitude <u>-107.85379</u>

NATURE OF RELEASE

| Type of Release: Natural Gas | Volume of Release: 7.4 MCF | Volume Recovered: 0 MCF |
|---|--|---------------------------------------|
| Source of Release: Pipeline | Date and Hour of Occurrence: | Date and Hour of Discovery: |
| | 03/01/16 at 12:25 PM MST | 03/01/16 at 12:25 PM MST |
| Was Immediate Notice Given? | If YES, To Whom? | |
| 🛛 Yes 🗌 No 🗌 Not Required | Cory Smith and Vanessa Fields, N | MOCD |
| | Katherina Diemer, BLM | |
| By Whom? Kelsey Christiansen | | M MST |
| Was a Watercourse Reached? | If YES, Volume Impacting the Wate | rcoursell, CONS. DIV DIST. 3 |
| 🗌 Yes 🖾 No | Not Applicable | DIV DIST. 3 |
| If a Watercourse was Impacted, Describe Fully.* | | JAN 23 2017 |
| Not Applicable | | 0414 20 2017 |
| Describe Cause of Problem and Remedial Action Taken.* | | |
| Williams's personnel discovered a minor gas leak during a leak locati | ng survey on the Galt MN Pipeline, y | which runs across an unnamed wash. No |
| liquids were observed and the gas loss was calculated to be 7.4 MCF. | | |
| Describe Area Affected and Cleanup Action Taken.* | | |
| The leaking section of pipeline was repaired and the excavation was le | ft open for sampling. Before a confi | rmation sample could be collected, |
| heavy rains filled the excavation with rain water and soil. To confirm | | |
| collected. These samples demonstrate that the soil impacts due to the | | |
| Please see attached report for details. | | |
| - | | |
| I hereby certify that the information given above is true and complete to the | | |
| regulations all operators are required to report and/or file certain release ne | | |
| public health or the environment. The acceptance of a C-141 report by the | | |
| should their operations have failed to adequately investigate and remediate | | |
| or the environment. In addition, NMOCD acceptance of a C-141 report de | oes not relieve the operator of responsi | bility for compliance with any other |
| federal, state, or local laws and/or regulations. | | |
| 11 MA | OIL CONSERV | ATION DIVISION |
| | | \square |
| | Approved by Environmental Specialist | |
| Signature: | | \square |
| | lang V . | \sim |
| Printed Name: Kijun Hong | Can | |
| | $\int 2 \log 1$ | |
| Title: Environmental Specialist | Approval Date: 324/17 I | Expiration Date: |
| | | |
| E-mail Address: kijun.hong@williams.com | Conditions of Approval: | Attached |
| | | |
| Date: 01/19/2017 Phone: (505) 632-4475 | | |
| Attach Additional Sheets If Necessary | 25757 | |
| HNJ+16082 | 20 15 5 | |



Y

LT Environmental Inc.

848 East Second Avenue Durango, Colorado 81301 T 970.385.1096

January 10, 2017

Mr. Mitch Morris Williams Four Corners LLC 1755 Arroyo Drive Bloomfield, New Mexico 87413

RE: Galt MN H-1 Subsurface Investigation Williams Four Corners LLC San Juan County, New Mexico

Dear Mr. Morris:

LT Environmental, Inc. (LTE), on behalf of Williams Four Corners LLC (Williams), conducted a subsurface investigation consisting of soil borings and soil sampling at the Galt MN H-1 (Site). The investigation was conducted at the request of the New Mexico Oil Conservation Division (NMOCD) to confirm that initial response actions by Williams removed all impacted soil and to investigate for the presence or absence of groundwater at or above the observed depth of soil impact.

Site Description and History

The Site is in the southwest quarter of the northwest quarter of Section 1, Township 27 North, and Range 10 West in San Juan County, New Mexico, approximately 0.7 miles east of Armenta Canyon as depicted on Figure 1. Armenta Canyon drains into the San Juan River approximately 6.5 miles to the north.

On March 2, 2016, Williams discovered a release from the Galt MN H-1 natural gas pipeline where it crosses a dry wash. Williams excavated impacted soil resulting in an excavation approximately 20 feet by 20 feet in extent and 13 feet deep. The excavation filled in with rain and soil during a heavy storm event before Williams could collect confirmation soil samples for laboratory analysis. To meet confirmation soil sampling requirements for approved site closure, the NMOCD requested Williams collect six soil samples (five from the excavation area and one downgradient) from 18 feet below ground surface (bgs) to determine if soil removal successfully remediated the soil and confirm groundwater had not been impacted.

Soil Sampling

LTE advanced a total of six soil borings on December 20, 2016, with a track-mounted Geoprobe[®] direct-push drilling rig operated by Earth Worx Environmental Services. A site map with soil boring locations in relation to the pipeline and former excavation is depicted on Figure 2. The total depths of the soil borings ranged between 7 feet and 20 feet bgs based on auger refusal.



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Morris, M. January 6, 2017 Page 2

Continuous soil samples were logged by an LTE geologist and described using the Unified Soil Classification System (USCS). The intervals from immediately beneath the ground surface and then every two feet thereafter were screened for volatile aromatic hydrocarbons as well as any soil that was stained or had a hydrocarbon odor. Screening was conducted with a photo-ionization detector (PID) equipped with a 10.6 electron volt lamp in accordance with the NMOCD *Guidelines for Remediation of Leaks, Spills and Releases*, August 13, 1993. The soil samples from the bottom of each borehole were collected in pre-cleaned glass jars, labeled with location, date, time, sampler and method of analysis and immediately placed on ice. The samples were shipped at 4 degrees Celsius (°C) under strict chain-of-custody procedures to Hall Environmental Analytical Laboratory Sciences (HEAL) in Albuquerque, New Mexico, for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) using United States Environmental Protection Agency (USEPA) Method 8021 and total petroleum hydrocarbons (TPH) using USEPA Method 8015 within the required holding times. Boreholes were filled with hydrated bentonite from total depth to ground surface upon completion.

Soil Analytical Results

Based on the Site being within 200 feet of a surface water body, the NMOCD ranking criteria triggers the following remediation action levels: 10 milligrams per kilogram (mg/kg) for benzene, 50 mg/kg for total BTEX, and 100 mg/kg for total TPH.

Soil samples collected during advancement of the soil borings were predominantly composed of pale to dark brown medium to course grained sand with varying amounts of clay/silt from the ground surface to 20 feet bgs. The lithology increased in grain size and clay/silt content with depth as bedrock was encountered. The shallowest borehole (BH-4) was advanced 7 feet bgs before refusal and the deepest borehole (BH-1) to 20 feet bgs. LTE observed 7 feet to 20 feet of alluvial sediment overlying sandstone bedrock. Organic materials and orange iron oxide staining were observed in soil samples and indicate an aerobic environment. No visual staining, odors, or elevated field screening results indicative of hydrocarbon impact were observed in any of the six boreholes. Borehole logs are included as Attachment 1.

Laboratory analytical results for soil samples BH-1, BH-2, BH-3, BH-4, BH-5, and BH-6 indicated no concentrations of benzene, total BTEX, and TPH were detected. Laboratory analytical results are presented in Table 1, and the complete HEAL laboratory analytical report is included as Attachment 2.

Conclusions

Five boreholes (BH-1, BH-2, BH-3, BH-4, and BH-5) were advanced in the area of the original excavation and laboratory analytical results from soil samples collected in those boreholes confirmed soil impacted by the release was removed during the initial response excavation. Additionally, Borehole BH-6 was advanced downgradient of the original



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Morris, M. January 6, 2017 Page 3

excavation, and the laboratory results from a soil sample collected at 18 feet bgs indicated no impacted soil existed outside of the initial excavation. Groundwater was not encountered in any of the boreholes ranging from 7 feet bgs in BH-4 upgradient of the pipeline to 20 feet bgs in BH-1 immediately adjacent to the former release, and no petroleum hydrocarbon impacted soil was observed. Based on these results, Williams successfully addressed soil impacted by the former pipeline release and no groundwater was affected. LTE recommends Williams request no further action and approval by the NMOCD for closure of this Site.

LTE appreciates the opportunity to provide this report to Williams. If you have any questions or comments, do not hesitate to contact me at (970) 385-1096 or via email at bherb@ltenv.com.

Sincerely,

LT ENVIRONMENTAL, INC.

Joh Adams

Josh Adams Staff Geologist

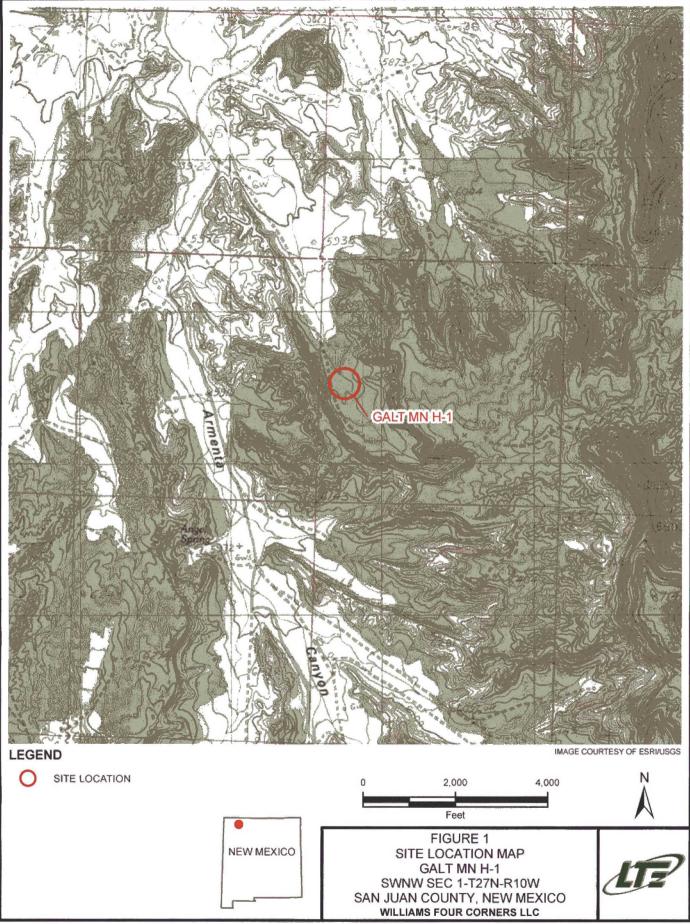
Brooke Herb Project Geologist

Attachments:

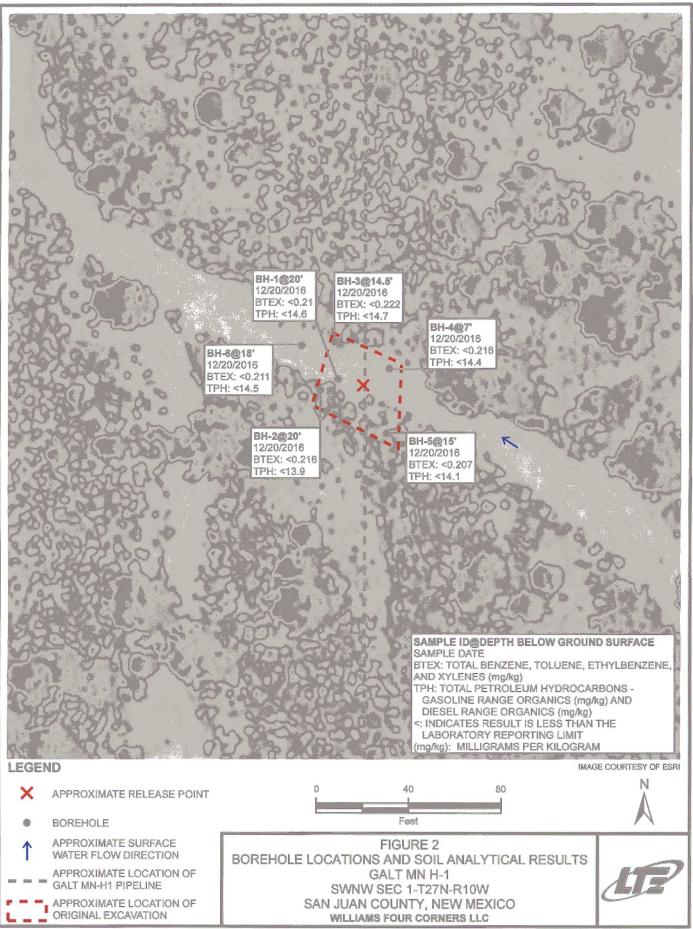
Figure 1 – Site Location Map Figure 2 – Borehole Locations and Soil Analytical Results Table 1 – Soil Analytical Results Attachment 1 – Borehole Logs Attachment 2 – Laboratory Analytical Report

FIGURES

1 Y



P:Williams Four Corners/GIS/MXD/034016012_GALT_MN_SOIL SAMPLING/034016012_FIG01_SL



P:Williams Four ComeraV3ISVMXDI034016012_GALT_MN_SOIL SAMPLING/034016012_FIG02_BH_SOIL_ANALYTICAL_122016.mxd

TABLE

TABLE 1 SOIL ANALYTICAL RESULTS

GALT MN H-1 SAN JUAN COUNTY, NEW MEXICO WILLIAMS FOUR CORNERS LLC

| Soil Sample Identification | Sample Date | Depth (feet) | Vapor (ppm) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | Total BTEX (mg/kg) | GRO (mg/kg) | DRO (mg/kg) | TPH (mg/kg) |
|-------------------------------|----------------|-----------------|----------------|--------------------|--------------------|-------------------------|-----------------------------|-----------------------|----------------|----------------|----------------|
| BH-1 | 12/20/2016 | 20 | 0.0 | < 0.023 | < 0.047 | < 0.047 | < 0.093 | <0.210 | <4.7 | <9.9 | <14.6 |
| BH-2 | 12/20/2016 | 20 | 0.0 | < 0.024 | < 0.048 | < 0.048 | < 0.096 | <0.216 | <4.8 | <9.1 | <13.9 |
| BH-3 | 12/20/2016 | 14.5 | 0.0 | < 0.025 | <0.049 | <0.049 | <0.099 | <0.222 | <4.9 | <9.8 | <14.7 |
| BH-4 | 12/20/2016 | 7 | 0.0 | < 0.024 | < 0.048 | <0.048 | < 0.096 | <0.216 | <4.8 | <9.6 | <14.4 |
| BH-5 | 12/20/2016 | 15 | 0.0 | < 0.023 | < 0.046 | < 0.046 | < 0.092 | <0.207 | <4.6 | <9.5 | <14.1 |
| BH-6 | 12/20/2016 | 18 | 0.0 | < 0.023 | < 0.047 | < 0.047 | <0.094 | <0.211 | <4.7 | <9.8 | <14.5 |
| NMOCD Closu | are Criteria | | | 10 | NE | NE | NE | 50 | NE | NE | 100 |

NOTES:

< - indicates result is less than the stated laboratory reporting limit

BTEX - benzene, toluene, ethylbenzene, total xylenes analyzed by EPA method 8021

DRO - diesel range organics analyzed by EPA Modified Method 8015

GRO - gasoline range organics analyzed by EPA Modified Method 8015

mg/kg - milligrams per kilogram

NE - Not Established

NMOCD - New Mexico Oil Conservation Division

ppm - parts per million

TPH- total petroleum hydrocarbons (GRO + DRO)



ATTACHMENT 1 BOREHOLE LOGS

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| Î. ₽ | | | | | | | Û | Compliance "Engineering "Remediation LT Environmental, Inc. 4600 W. 60th Avenue Arvada, Colorado 80003 | | | | |
|---------------------------|---------------------|-------------|------------------|----------|------------------------|---------------|----------|---|--|---|--------------------|--|
| Elevation Gravel Pa | 6015 | | Detector: PID | | | | | BORIN Boring/We Date: Logged By: Drilling Me Seal: | I Number BH - 1 12/20/2016 Josh Adams | ELL COMPLETION DIAGRAM Project: GALF GTAT MN H-1 Project Number: Q34016012 Drilled By: Louis Trujillo/Larhwary Sampling Method: Continuous / Soil Liner Grout: | | |
| Casing Ty | NA | | | | | | | Diameter: | NA Length: NA NA | NA Hole Diameter: 2-inch | Depth to Liquid: | |
| Screen Ty | NA | 1 | Slot: NA | | | | | Diameter: | Length: Na NA | Total Depth: | Depth to Water: | |
| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | Lithology/Re | marks | Well Completion | |
| | | | | | 0 | | | SW | (no recovery) Ight brown and, Vry It | I silt, well school | | |
| | M | 8 | NO | | -4 | | 4 | 215% Coarse | 10 YR 5/6 yellowish | <u> </u> | | |
| | | | r. | | 5 _ 6 _ 7 _ 8 | 4-8 | 8 | | No recovery, Sand in upsh texcavation to soft, not competent enough to stick in- sleeve. We tried another- 4' hole to see if more leaver | | | |
| | | | | | 9 10 11 | 812 | | could be achieved, but failed same resulf. Uncompacted soil due to excavation being filled by sediment during storm ever NO HC identified on Sloeve or in scampte above or below | | | | |
| | M | Ø | NÒ | | 12 13 14 15 | 2-16 | | SW-5C | lghtbriun snd, little well sorted, well, W/clay | silt INN | - - - - | |

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| LT Environmental, Inc. | | | | | | | | Project # | . 034016012 12/20/2016 | | |
| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | Date Litho | Well Completion | |
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| Elevation | 6015 | | Detector: | F | J.D | | | Drilling Me | ethod: Geoprobe | Sampling Method: Continuous/Soil L | iner | | |
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| Casing | | | | | | | | Diameter: | Length: NA NA | Hole Diameter: 2-inch | Depth to Liquid: | | |
| Screen | | | | | | | | Diameter: | Length: Na NA | Total Depth: 201 | Depth to Water: | | |
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| Penetration Resistance | Moisture Content | 5 🔒 | Staining | Sample # | Depth | Sample | Recovery | Soil/Rock Type | | | | Well |
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|---------------------------|--|-------------|-----------|--------------|--|------------------|----------|---|---|----------------------------|--------------------|--|--|--|
| | | R | | Titt | | | | BORING LOG/MONITORING WELL COMPLETION DIAGRAM | | | | | | |
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| | | | | | A D at | | | Date: | 12/20/2016 | Project Number: 714 | 5012 | | | |
| | | | 3. 3. C | a > f | n an | Gdogle Gdogle | Fard | Logged By: | Josh Adams | Drilled By: Louis T | rujillo | | | |
| Elevation | 6015 | .` | Detector: | P. | ‡D | | | Drilling Me | thod: Geoprobe | Sampling Method: Soil 1 | liner | | | |
| Gravel Pa | ick: NA | | | | • | | | Seal: | NA | Grout: NA | | | | |
| Casing Ty | nsing Type: NA | | | | | | | Diameter: | Length: NA NA | Hole Diameter: 2-inch | Depth to Liquid: | | | |
| Screen Ty | creen Type: Slot: NA NA | | | | | | | Diameter: | Length: Na NA | Total Depth: 7 | Depth to Water: | | | |
| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | Lithology/F | Remarks | Well Completion | | | |
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| | | R. | | | | <u>, 805</u> | | BC | BORING LOG/MONITORING WELL COMPLETION DIAGRAM Boring/Well Number: BH-3 Project: Logal - MN H-1 Project: Project: Project: | | | | | |
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| | | | | V. Fr | ASS. | No Star | | Date | : | 12/20/2016 | Project Number: 1 ()34016 | 12 | | |
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| Gravel Pac | Pack: | | | | | | | Seal: | | | Grout: | | | |
| Casing Ty | | | | | | | | Diam | eter: | Length: | NA Hole Diameter: | Depth to Liquid: | | |
| Screen Typ | Creen Type: Slot: | | | | | | | Diam | | A NA Length: | 2-inch Total Depth: 11151 | NA Depth to Water: | | |
| | NA | | 1 | N | A | | _ | _ | 1 | Na NA | Total Depth: 14.5' | NA | | |
| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock | Type | Lithology/Rem | narks | Well Completion | | |
| | | | | | 0 | 4 | | | | an de la companya a substantia de la companya de la | | | | |
| | | | | | ۱ _ | | ••• | | | NR | - | - | | |
| ······································ | M | ø | NO | | 3 _ | 0-4 | | Śı | J. | light brown sound w/s sorted, some oner stringers. 10 YR5 | 14(5%) well. xx=0xide - 16 | - - - | | |
| | an. | | | | 5 _ | - | | | | NR | - | - | | |
| | Μ | Ø | NO | | 78 | 4-8 | | | | SAA w/ black | organics | - | | |
| | | | | | 9 | | | | | NR | - | | | |
| | M | ø | NO | | 11 <u> </u> | 8.12 | | SU | ł | SAA verypalebicium sand caliche, 101R7/3 u | w/chw/(15%) | | | |
| | M | Ø | NO | D#-3 1045 | 13 14 | 12-145 | F | S | M | SAA W/increa | sed fines (20%) | - | | |
| | | | | | 15 | | | | | 71 surdistone /se | mi-consplidated | and | | |
| | | | | | | | | | | Refusal @ 14. | 5' | | | |

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| | | 1 | | | J. | | | L | Compliance LT Environm 4600 W. 60th Arvada, Colo | Avenue | nediation | | |
|---------------------------|---------------------|-------------|-----------|--------------|-----------------------|---------------------|----------|-------------------|---|---|---|--|--|
| | | R.S.S. | | | | COL ST | | BORI | NG LOG/MONITORING W | and the second se | and the second se | | |
| | | | | | | | | | boring/Well Number: BH-5 Project Galt MV H-1 | | | | |
| | | | | | | | | Date: | 12/20/2016 | 034016 | 0120 | | |
| | | | TX SKA | | | Coogle | Eant | Logged By: | Josh Adams | Drilled By: Louis Tr | ujillo Ea An wor | | |
| Elevation: | 6015 | | Detector: | P | ID | | 1.1 | Drilling Me | thod: Geoprobe | Sampling Method, (DN hinkows/Soil L | | | |
| Gravel Pa | | | | | 4 | | | Seal: | NA | Grout: NA | | | |
| Casing Ty | pe: | | | | | | | Diameter: | Length: | Hole Diameter: 2-inch | Depth to Liquid: | | |
| Screen Typ | | | | Slot: | | | | Diameter: | Length: | Total Depth: 15' | Depth to Water: | | |
| 5 | NA | 2 | NA | | | | | 1 | Na NA | | | | |
| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | Lithology/Ren | narks | Well Completion | | |
| | | | | | 0 | | | | | | | | |
| | | | | | 1 - | | | | NR | | | | |
| | Μ | ø | NÔ | | 3 _ | - O-4 | | SC. | Very pale brown clay 10 YR 7/3, calid thee root in sound | e, red/bour- | | | |
| | | | | | 5_ | | 1 | | NR | - | | | |
| | M | Ø | NO | | 7 _ | 4-8 | | SW-5C | lightbookin sandy sorted 10 YR 5, | | | | |
| | | | | | 9 | | • | | NR | - | - | | |
| | Μ | Ð | NO | | 11 | 8-12 | | Sw-SC | SAA | | - | | |
| | | | | | 13 | | | | NR | 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1 | * | | |
| Mentervene | M. | Ø | NO | BH-5 1120 | | 12.15 | | SL | very pale brown some iOVR 7/3, calidre, 5 color change happen | Ly chy (20%). icmiplasticfine in 1st 2" of s | s | | |
| | | | | | nonananana arta tarta | Anto Postariantente | | | Refusal @ 51, Se | mi-consolidate | xsana/ | | |

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| | | | | | | E. K. | | | Ľ | LT Enviro 4600 W. 6 | e " Engineering " Re nmental, Inc. 0th Avenue colorado 80003 | mediation |
|---|---------------------------|---------------------|-------------|-------------|----------|---------------------|---------------|----------|---|---|---|-------------------------------|
| | | | NS & | | T. Cr. | | | | BORIN | IG LOG/MONITORIN | and the second se | ON DIAGRAM |
| | | | | | Sector 1 | | | | | Number:BH -6 | Project: Galt M Project Number; | NH-I |
| | | | | | | 192 | \$10 | S.C. | Date: | 12/20/2016 | 03401 | |
| | | | | L. S. R. R. | 1. 1. M | . Town | Google | Fanth | Logged By: | Josh Adams | Drilled B | rujillo |
| | Elevation: | 6015 | | Detector: | . P | ID | | | Drilling Me | lhod: Geoprobe | Sampling Method: Soil L | iner |
| | Gravel Pac | NA | | | | 1 | | | the second se | A | Grout: NA | |
| 1 | Casing Typ | NA | | | | | | | No. of Concession, name | Length: NA NA | Hole Diameter: 2-inch | Depth to Liquid: |
| | Screen Typ | NA | | | Slot: | IA | | | Diameter: | Length: Na NA | Total Depth: | Depth to Water: |
| | Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | Lithology | /Remarks | Well Completion |
| | | | | | | 0 | / / | | | 4 + 0 | | Service and the second second |
| | | | | | | 1 _ | - .,, | | | NR | | |
| | | M | Ø | NO | ***** | 3 - | 04 | | SW-SC | lightbrown san opangeoxide, b well sorted | uk wychay (10%) Waak organics, | - |
| | | | | | | 5 _ | | | | NR | | |
| | | M | Ø | ND | | 78 | 4.8 | | SWX | SAA w/mare sove a | z organicst which z new bolton | - |
| | | | | | | 9 | : | | | NR | | - |
| | | M | ø | ND | | 11 | 8-12 | | Sw:sc | SAA (0.4') Oxide stringer | but heavy orang | - |
| | | | | | | 13 | | | | NR | | |
| E | | | | | | 15 - | | 199 B. | | Next pace | | - |

| | | | | | | | | | Decision and and | PULIA | |
|---------------------------|---------------------|----------------|----------|-------------|---------------------|---------------|----------|-------------------|---------------------------|--|--------------------|
| | \frown | Compl | ianco | Engine | ering " | Pomodi | otio | | Boring/Well # Project: | BH-CO Galt MN | |
| | 2 | LTEn | vironn | nental | Inc | Remean | allo | " | Project # 034016012 | | |
| | | | | .onul, | | | | | Date | 12/20/2016 | |
| Penetration Resistance | Moisture Content | Vapor (ppm) | Staining | Sample # | Depth (ft. bgs.) | Sample Run | Recovery | Soil/Rock Type | • Litho | ology/Remarks | Well Completion |
| | m | P | NO | | 15 | 12-16 | P | SC | cokrohange in 1 | op 1 to very rakebrown y(20%) 10 YR 7/3 | |
| | m | Ø | NO | BH-G 140 | | 16.18 | F | 56 | | aliche @ bottom, | - |
| | | | | | <u>• 18</u> | | | | | | - |
| | | | | | 19 | - | | | 71 San | dstone /semi-con. | - |
| | | | | | 20 | | | | Refusal | dotone /semi-lon. @ 18' | - |
| | | | | | 21 | | | | | - | |
| | | | | | 22 | - | | | | - | - |
| | | | | | 23 24 | | | | | - | - |
| | | · · | | | 25 | | | | | 1 | |
| | | | | | 26 | | | | | - | |
| | | | | | 27 | | | | | - | |
| | | | | | 28 | | | | | + | - |
| | | | | | 29 | | | | | - | - |
| | | | | | 30 | | | | | - | - |
| | | | | | 31 | | | | | 1 | |
| | | | | | 32 33 | | | | | + | |
| | | | | | 34 | | | | | + | |
| | | | | | 35 | | | | | - | |
| | | | | | 36 | | | | | - | |
| | | | | | 37 | | | | | + | |

ATTACHMENT 2

1 N 1 1

LABORATORY ANALTYICAL REPORT



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

December 29, 2016

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Brooke Herb Williams Four Corners 188 CR 4900 Bloomfield, NM 87413 TEL: (505) 632-4442 FAX

RE: Galt MN

OrderNo.: 1612B77

Dear Brooke Herb:

Hall Environmental Analysis Laboratory received 6 sample(s) on 12/21/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Analytical | Report |
|------------|--------|
|------------|--------|

Lab Order 1612B77 Date Reported: 12/29/2016

Hall Environmental Analysis Laboratory, Inc.

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| CLIENT: | Williams Four Corners | | | Client Samp | le ID: BI | H-1 | | |
|------------|------------------------|---|-----|-------------|-----------|---------------------|----------|--|
| Project: | Galt MN | | | Collection | Date: 12 | /20/2016 10:05:00 A | M | |
| Lab ID: | 1612B77-001 | Matrix: SOIL Received Date: 12/21/2016 8:00:00 AM | | | | | | |
| Analyses | | Result | PQL | Qual Units | DF | Date Analyzed | Batch | |
| | OD 8015M/D: DIESEL RAI | NGE ORGANICS | | | | Analy | /st: TOM | |
| Diesel Rar | nge Organics (DRO) | ND | 99 | ma/Ka | 1 | 12/24/2016 12:23:00 | AM 29359 | |

| Diesel Range Organics (DRO) | ND | 9.9 | mg/Kg | 1 | 12/24/2016 12:23:00 AM | 29359 |
|----------------------------------|------|----------|-------|---|------------------------|-------|
| Surr: DNOP | 99.3 | 70-130 | %Rec | 1 | 12/24/2016 12:23:00 AM | 29359 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: | NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 12/23/2016 9:53:03 PM | 29352 |
| Surr: BFB | 93.0 | 68.3-144 | %Rec | 1 | 12/23/2016 9:53:03 PM | 29352 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: | NSB |
| Benzene | ND | 0.023 | mg/Kg | 1 | 12/23/2016 9:53:03 PM | 29352 |
| Toluene | ND | 0.047 | mg/Kg | 1 | 12/23/2016 9:53:03 PM | 29352 |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 12/23/2016 9:53:03 PM | 29352 |
| Xylenes, Total | ND | 0.093 | mg/Kg | 1 | 12/23/2016 9:53:03 PM | 29352 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | %Rec | 1 | 12/23/2016 9:53:03 PM | 29352 |

| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | В | Analyte detected in the associated Method Blank |
|-------------|----|---|----|---|
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | Н | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits Page 1 of 9 |
| | ND | Not Detected at the Reporting Limit | Р | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

| Analytical | Report |
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Lab Order 1612B77 Date Reported: 12/29/2016

Hall Environmental Analysis Laboratory, Inc.

| CLIENT: | Williams Four Corners | | | Client Samp | e ID: BH-2 | |
|-----------------|--------------------------|---|------|--------------------|-----------------------------|----------|
| Project: | Galt MN | Collection Date: 12/20/2016 10:30:00 AM | | | | |
| Lab ID: | 1612B77-002 | Matrix: S | SOIL | Received | Date: 12/21/2016 8:00:00 AM | M |
| Analyses | | Result | PQL | Qual Units | DF Date Analyzed | Batch |
| EPA MET | THOD 8015M/D: DIESEL RAM | IGE ORGANICS | | | Analy | st: TOM |
| | ange Organics (DRO) | ND | 9.1 | mg/Kg | 1 12/24/2016 12:44:37 | AM 20250 |

| Surr: DNOP | 93.9 | 70-130 | %Rec | 1 | 12/24/2016 12:44:37 AM 29359 |
|----------------------------------|------|----------|-------|---|------------------------------|
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 12/23/2016 10:16:31 PM 29352 |
| Surr: BFB | 92.8 | 68.3-144 | %Rec | 1 | 12/23/2016 10:16:31 PM 29352 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | mg/Kg | 1 | 12/23/2016 10:16:31 PM 29352 |
| Toluene | ND | 0.048 | mg/Kg | 1 | 12/23/2016 10:16:31 PM 29352 |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 12/23/2016 10:16:31 PM 29352 |
| Xylenes, Total | ND | 0.096 | mg/Kg | 1 | 12/23/2016 10:16:31 PM 29352 |
| Surr: 4-Bromofluorobenzene | 99.2 | 80-120 | %Rec | 1 | 12/23/2016 10:16:31 PM 29352 |

| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | В | Analyte detected in the associated Method Blank |
|-------------|----|---|----|---|
| | D | Sample Diluted Due to Matrix | | Value above quantitation range |
| | Н | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits Page 2 of 9 |
| | ND | Not Detected at the Reporting Limit | Р | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

| Analy | tical | Report | |
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Lab Order 1612B77

Date Reported: 12/29/2016

Hall Environmental Analysis Laboratory, Inc.

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| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | Analy | st: TOM |
|---|---------|------------------------|------|------------|-----------------------------|---------|
| Analyses | Result | PQL | Qual | Units | DF Date Analyzed | Batch |
| Lab ID: 1612B77-003 | Matrix: | SOIL | | Received | Date: 12/21/2016 8:00:00 AM | M |
| Project: Galt MN | | | | Collection | Date: 12/20/2016 10:45:00 A | M |
| CLIENT: Williams Four Corners | | Client Sample ID: BH-3 | | | | |

| Diesel Range Organics (DRO) | ND | 9.8 | mg/Kg | 1 | 12/24/2016 1:05:57 AM 29359 |
|----------------------------------|------|----------|-------|---|------------------------------|
| Surr: DNOP | 90.6 | 70-130 | %Rec | 1 | 12/24/2016 1:05:57 AM 29359 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 12/27/2016 12:47:09 PM 29352 |
| Surr: BFB | 97.5 | 68.3-144 | %Rec | 1 | 12/27/2016 12:47:09 PM 29352 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | mg/Kg | 1 | 12/27/2016 12:47:09 PM 29352 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 12/27/2016 12:47:09 PM 29352 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 12/27/2016 12:47:09 PM 29352 |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 12/27/2016 12:47:09 PM 29352 |
| Surr: 4-Bromofluorobenzene | 110 | 80-120 | %Rec | 1 | 12/27/2016 12:47:09 PM 29352 |
| | | | | | |

| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | В | Analyte detected in the associated Method Blank |
|-------------|----|---|----|---|
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | Н | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits Page 3 of 9 |
| | ND | Not Detected at the Reporting Limit | Р | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

| Analytical | l Report |
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Lab Order **1612B77** Date Reported: **12/29/2016**

Hall Environmental Analysis Laboratory, Inc.

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| CLIENT: Williams Four Corners | Client Sample ID: BH-4 | | | | |
|-------------------------------|------------------------|------|------------|---------------------------------|-------|
| Project: Galt MN | | | Collecti | on Date: 12/20/2016 11:05:00 AM | |
| Lab ID: 1612B77-004 | Matrix: | SOIL | Receiv | ed Date: 12/21/2016 8:00:00 AM | |
| Analyses | Result | PQL | Qual Units | DF Date Analyzed | Batch |

| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: 1 | | | | | | |
|--|----------|----------|-------|---|-----------------------|-------|
| Diesel Range Organics (DRO) | ND | 9.6 | mg/Kg | 1 | 12/24/2016 1:27:21 AM | 29359 |
| Surr: DNOP | 94.8 | 70-130 | %Rec | 1 | 12/24/2016 1:27:21 AM | 29359 |
| EPA METHOD 8015D: GASOLINE RANG | Analyst: | NSB | | | | |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 12/27/2016 1:10:42 PM | 29352 |
| Surr: BFB | 97.0 | 68.3-144 | %Rec | 1 | 12/27/2016 1:10:42 PM | 29352 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: | NSB |
| Benzene | ND | 0.024 | mg/Kg | 1 | 12/27/2016 1:10:42 PM | 29352 |
| Toluene | ND | 0.048 | mg/Kg | 1 | 12/27/2016 1:10:42 PM | 29352 |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 12/27/2016 1:10:42 PM | 29352 |
| Xylenes, Total | ND | 0.096 | mg/Kg | 1 | 12/27/2016 1:10:42 PM | 29352 |
| Surr: 4-Bromofluorobenzene | 108 | 80-120 | %Rec | 1 | 12/27/2016 1:10:42 PM | 29352 |

| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | | Analyte detected in the associated Method Blank |
|-------------|----|---|----|---|
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | Н | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits Page 4 of 9 |
| | ND | Not Detected at the Reporting Limit | Р | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

| Analytical | Report |
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| ranaly ucar | report |

Lab Order 1612B77

Date Reported: 12/29/2016

Hall Environmental Analysis Laboratory, Inc.

2 1 F A

 CLIENT:
 Williams Four Corners
 Client Sample ID: BH-5

 Project:
 Galt MN
 Collection Date: 12/20/2016 11:20:00 AM

 Lab ID:
 1612B77-005
 Matrix: SOIL
 Received Date: 12/21/2016 8:00:00 AM

 Analyses
 Result
 PQL
 Qual
 Units
 DF Date Analyzed
 Batch

| | | | | | 2 1100 1 21101 9 20 0 | |
|-------------------------------|-------------|----------|-------|---|-----------------------|-------|
| EPA METHOD 8015M/D: DIESEL RA | NGE ORGANIC | s | | | Analyst | том |
| Diesel Range Organics (DRO) | ND | 9.5 | mg/Kg | 1 | 12/24/2016 1:48:46 AM | 29359 |
| Surr: DNOP | 94.8 | 70-130 | %Rec | 1 | 12/24/2016 1:48:46 AM | 29359 |
| EPA METHOD 8015D: GASOLINE R | ANGE | | | | Analyst | NSB |
| Gasoline Range Organics (GRO) | ND | 4.6 | mg/Kg | 1 | 12/27/2016 1:34:16 PM | 29352 |
| Surr: BFB | 98.3 | 68.3-144 | %Rec | 1 | 12/27/2016 1:34:16 PM | 29352 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB |
| Benzene | ND | 0.023 | mg/Kg | 1 | 12/27/2016 1:34:16 PM | 29352 |
| Toluene | ND | 0.046 | mg/Kg | 1 | 12/27/2016 1:34:16 PM | 29352 |
| Ethylbenzene | ND | 0.046 | mg/Kg | 1 | 12/27/2016 1:34:16 PM | 29352 |
| Xylenes, Total | ND | 0.092 | mg/Kg | 1 | 12/27/2016 1:34:16 PM | 29352 |
| Surr: 4-Bromofluorobenzene | 110 | 80-120 | %Rec | 1 | 12/27/2016 1:34:16 PM | 29352 |
| | | | | | | |

| Qualifiance | * | Value avecede Maximum Contaminant Laural | D | And the detected in the DM (d. 10) - 1 |
|-------------|----|---|----|---|
| Qualifiers: | | Value exceeds Maximum Contaminant Level. | в | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | Е | Value above quantitation range |
| | Η | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits Page 5 of 9 |
| | ND | Not Detected at the Reporting Limit | Р | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

| Analytical | Report |
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Lab Order 1612B77

Date Reported: 12/29/2016

Hall Environmental Analysis Laboratory, Inc.

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| Analyses | | Result | PQL | Qual | Units | DF Date Analyzed | Batch |
|-----------------|-----------------------|---------|------|------|------------|-----------------------------|-------|
| Lab ID: | 1612B77-006 | Matrix: | SOIL | | Received | Date: 12/21/2016 8:00:00 AM | 1 |
| Project: | Galt MN | | | | Collection | Date: 12/20/2016 11:40:00 A | M |
| CLIENT: | Williams Four Corners | | | C | lient Samp | le ID: BH-6 | |

| | the second s | and the second se | | | the second se | and the second |
|---------------------------------|--|---|-------|---|---|--|
| EPA METHOD 8015M/D: DIESEL RANG | E ORGANIC | S | | | Analyst: | том |
| Diesel Range Organics (DRO) | ND | 9.8 | mg/Kg | 1 | 12/24/2016 2:10:25 AM | 29359 |
| Surr: DNOP | 93.7 | 70-130 | %Rec | 1 | 12/24/2016 2:10:25 AM | 29359 |
| EPA METHOD 8015D: GASOLINE RANG | GE | | | | Analyst: | NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 12/27/2016 1:57:46 PM | 29352 |
| Surr: BFB | 96.9 | 68.3-144 | %Rec | 1 | 12/27/2016 1:57:46 PM | 29352 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: | NSB |
| Benzene | ND | 0.023 | mg/Kg | 1 | 12/27/2016 1:57:46 PM | 29352 |
| Toluene | ND | 0.047 | mg/Kg | 1 | 12/27/2016 1:57:46 PM | 29352 |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 12/27/2016 1:57:46 PM | 29352 |
| Xylenes, Total | ND | 0.094 | mg/Kg | 1 | 12/27/2016 1:57:46 PM | 29352 |
| Surr: 4-Bromofluorobenzene | 108 | 80-120 | %Rec | 1 | 12/27/2016 1:57:46 PM | 29352 |
| | | | | | | |

| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | В | Analyte detected in the associated Method Blank |
|-------------|----|---|----|---|
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | Н | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits Page 6 of 9 |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |
| | | | | |

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1612B77 29-Dec-16

Page 7 of 9

| Client: William Project: Galt M | ns Four Corner N | rs | | | | | | | | |
|------------------------------------|---------------------|--------|-----------|-------------|----------|-----------|-------------|------------|------------|------|
| Sample ID LCS-29359 | SampTyp | e: LCS | 3 | Tes | Code: El | PA Method | 8015M/D: Di | esel Range | e Organics | |
| Client ID: LCSS | Batch ID | D: 293 | 59 | R | | | | | | |
| Prep Date: 12/22/2016 | Analysis Date | e: 12/ | 23/2016 | S | eqNo: 1 | 241856 | Units: mg/M | ζg | | |
| Analyte | Result I | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 44 | 10 | 50.00 | 0 | 88.3 | 63.8 | 116 | | | |
| Surr: DNOP | 4.3 | | 5.000 | | 86.0 | 70 | 130 | | | |
| Sample ID MB-29359 | SampTyp | e: MBI | LK | Test | Code: El | PA Method | 8015M/D: Di | esel Range | e Organics | |
| Client ID: PBS | Batch ID | D: 293 | 59 | R | unNo: 3 | 9589 | | | | |
| Prep Date: 12/22/2016 | Analysis Date | e: 12/ | 23/2016 | S | eqNo: 1 | 241857 | Units: mg/k | (g | | |
| Analyte | Result F | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Surr: DNOP | 9.4 | | 10.00 | | 94.4 | 70 | 130 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

r ,

WO#: 1612B77

| Client: Project: | Williams Galt MN | Four Corne | ers | | | | | | | | |
|----------------------------|---|-------------|-----------------|-----------|-------------|----------|-----------|-------------|------------|----------|------|
| Sample ID | MB-29352 | SampTy | pe: ME | BLK | Tes | tCode: E | PA Method | 8015D: Gaso | oline Rang | e | |
| Client ID: | PBS | Batch | ID: 29 | 352 | F | RunNo: 3 | 9645 | | | | |
| Prep Date: | 12/22/2016 | Analysis Da | ite: 12 | 2/23/2016 | S | SeqNo: 1 | 241888 | Units: mg/k | ٢g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Rang Surr: BFB | e Organics (GRO) | ND 930 | 5.0 | 1000 | | 92.5 | 68.3 | 144 | | | |
| Sample ID | LCS-29352 | SampTy | pe: LC | s | Tes | tCode: E | PA Method | 8015D: Gaso | oline Rang | е | |
| Client ID: | LCSS | Batch | ID: 29 | 352 | F | RunNo: 3 | 9645 | | | | |
| Prep Date: | e: 12/22/2016 Analysis Date: 12/23/2016 SeqNo: 1241889 Units: mg/Kg | | | | | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| | e Organics (GRO) | 26 | 5.0 | 25.00 | 0 | 106 | 74.6 | 123 | | | |
| Surr: BFB | | 1000 | | 1000 | | 101 | 68.3 | 144 | | | |
| Sample ID | 1612B77-001AMS | D SampTy | pe: MS | SD | Tes | tCode: E | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: | BH-1 | Batch | ID: 29 | 352 | F | aunNo: 3 | 9645 | | | | |
| Prep Date: | 12/22/2016 | Analysis Da | te: 12 | 2/23/2016 | 5 | eqNo: 1 | 241893 | Units: mg/k | ٢g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Rang | e Organics (GRO) | 26 | 4.9 | 24.30 | 0 | 107 | 61.3 | 150 | 4.63 | 20 | |
| Surr: BFB | | 980 | | 971.8 | | 101 | 68.3 | 144 | 0 | 0 | |
| Sample ID | 1612B77-001AMS | SampTy | pe: M \$ | 3 | Tes | tCode: E | PA Method | 8015D: Gaso | oline Rang | e | |
| Client ID: | D: BH-1 Batch ID: 29352 RunNo: 39645 | | | | | | | | | | |
| Prep Date: | 12/22/2016 | Analysis Da | te: 12 | 2/23/2016 | S | eqNo: 1 | 241951 | Units: mg/M | (g | | |
| Analyte | | Result | PQL | | SPK Ref Val | | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| | e Organics (GRO) | 27 | 4.7 | 23.32 | 0 | 117 | 61.3 | 150 | | | |
| Surr: BFB | | 950 | | 932.8 | | 102 | 68.3 | 144 | | | |

Qualifiers:

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- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Sample pH Not In Range Р
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1612B77 29-Dec-16

| Client:WilliaProject:Galt M | ams Four Corr MN | ners | | | | | | | | |
|-------------------------------|-----------------------|-----------------|-----------|-------------|-----------|-----------|-------------|-------|----------|------|
| Sample ID MB-29352 | SampT | Гуре: МЕ | BLK | Tes | tCode: El | PA Method | 8021B: Vola | tiles | | |
| Client ID: PBS | Batch | h ID: 29 | 352 | R | unNo: 3 | | | | | |
| Prep Date: 12/22/2016 | Analysis D | Date: 12 | 2/23/2016 | S | eqNo: 1 | 241930 | Units: mg/M | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | Ethylbenzene ND 0.050 | | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 103 | 80 | 120 | | | |
| Sample ID LCS-29352 | SampT | ype: LC | S | Test | tCode: El | PA Method | 8021B: Vola | tiles | | |
| Client ID: LCSS | Batch | h ID: 29 | 352 | R | unNo: 3 | 9645 | | | | |
| Prep Date: 12/22/2016 | Analysis D | Date: 12 | 2/23/2016 | S | eqNo: 1 | 241931 | Units: mg/k | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 1.1 | 0.025 | 1.000 | 0 | 108 | 75.2 | 115 | | | |
| Toluene | 1.0 | 0.050 | 1.000 | 0 | 102 | 80.7 | 112 | | | |
| Ethylbenzene | 0.98 0.050 1.000 | | | | 98.3 | 78.9 | 117 | | | |
| Xylenes, Total 3.0 0.10 3.000 | | | | 0 | 98.6 | 79.2 | 115 | | | |
| Surr: 4-Bromofluorobenzene | | | | | | | | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
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- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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| HALL ENVIRONMENTAL ANALYSIS LABORATORY | Hall Environmental A Albuq TEL: 505-345-3975 F Website: www.hall | 4901 querqu FAX: 5 | Hawkins i e, NM 871 05-345-41 | NE 105 Sam | ple Log-In Ch | eck List |
|--|---|--------------------------|-------------------------------------|---------------|----------------------------|-------------------|
| Client Name: WILLIAMS FOUR CORN | Work Order Number: | | | | RcptNo: 1 | |
| Received by/date: AS | 12/21/12/2 | | | | | |
| Logged By: Lindsay Mangin | 12/21/2016 8:00:00 AM | | | , Andy Hago | | |
| Completed By: Lindsay Mangin | 12/21/2016 2:30:19 PM | | | Junky Harpo | | |
| Reviewed By: aI | 12/22/16 | • | | 0.00 | | |
| Chain of Custody | | | | | | |
| 1. Custody seals intact on sample bottles? | | Yes | [] | No | Not Present | |
| 2. Is Chain of Custody complete? | | Yes | | No [.] | Not Present | |
| 3. How was the sample delivered? | | Cour | ier | | | |
| Log In | | | | | | |
| 4. Was an attempt made to cool the samples | \$? | Yes | | No [] | NA | |
| 5. Were all samples received at a temperature | re of >0° C to 6.0°C | Yes | | No [] | NA []] | |
| 6. Sample(s) in proper container(s)? | | Yes | | No []] | | |
| 7. Sufficient sample volume for indicated test | t(s)? | Yes | | No | | |
| 8. Are samples (except VOA and ONG) prop | erly preserved? | Yes | | No 🗌 | | |
| 9. Was preservative added to bottles? | | Yes | [_] | No 🖌 | NA 🗔 | |
| 10.VOA vials have zero headspace? | | Yes | | No 🗌 | No VOA Vials 🗹 | |
| 11. Were any sample containers received bro | ken? | Yes | | No 🗹 | # of preserved | |
| 12.Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes | | No 🗔 | bottles checked for pH: | >12 unless noted) |
| 13. Are matrices correctly identified on Chain of | of Custody? | Yes | | No | Adjusted? | |
| 14. Is it clear what analyses were requested? | | Yes | | No [] | | |
| 15.Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes | | No 🗌 | Checked by: | |
| Special Handling (if applicable) | | | | | | |

| 16.\ | Nas client notified of all discrepancies with this order? | Yes L. No NA M |
|------|---|--|
| | Person Notified: | Date: |
| | By Whom: | Via: [] eMail [] Phone [] Fax [] In Person |
| | Regarding: | |
| | Client Instructions: | |
| 17. | Additional remarks: | |
| 18. | Cooler Information | |
| | Cooler No Temp ºC Condition Seal Intact | Seal No Seal Date Signed By |

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1.0 1

Good

Yes

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* **** Page 1 of 1

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| С | hain- | of-Cu | stody Record | Turn-Around | Time: | | | | | н | | F | NV | TE | 20 | | 1FI | NTA | | |
|-----------------------------|----------|------------|---|--|----------------------------|--|--|------------------------------------|-------------------------|--------------------|---|---------------|---|------------------------|-------------|-----------------|----------|-----------|----|-------------|
| lient: | Wi | lliame | Fair Comers | Standard | 🗆 Rush | and the second | | | | | | | | | | | | TO | | , |
| | | | | Project Name |): | | www.hallenvironmental.com | | | | | | | | | | | | | |
| ailing | Address | 1770 | 55 Arexo Dr. | E Go | It MIV | | 4901 Hawkins NE - Albuquerque, NM 87109 | | | | | | | | | | | | | |
| | | Bicon | | Project #: | | | | Tel. 505-345-3975 Fax 505-345-4107 | | | | | | | | | | | | |
| hone # | #: FD | | 2-4442 | | | | Analysis Request | | | | | | | | | | | | | |
| | r Fax#: | ~ ~ .14 | | Project Manager: Brooke Herb | | | | | | | | | | | | | | | | |
| A/QC F | Package: | | | | Dad | e feb | + TMB's (8021) | as ol | I | | (S | · | 4,S(| PCB's | | | | | | |
| Kstan | dard | | □ Level 4 (Full Validation) | | | | | | 2 | | SIMS) | | PO PO | | | | | | | |
| CCredi | | C Othe | ۲ | Sampler: Josh Adams On Ice: Vies No | | | | + TPH (Gas only) | S | 18.1) | 8270 | | 3,NO | / 808 | | (A | | | | or N) |
| EDD | (Type) | | | North Constant Constant | A R R AL R ALL ALL AND SEA | -0°C | | H | 5 | d 4 | o 0 50 | tals | NUC | ides | 7 | NON- | | | | 2 |
| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL NO HEAL | BTEX / MTBE | BTEX + MTBE | TPH 8015B (GRO DRO HIRO | TPH (Method 418.1) | EDB (Method 504.1) PAH's (8310 or 8270 | RCRA 8 Metals | Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄) | 8081 Pesticides / 8082 | 8260B (VOA) | 8270 (Semi-VOA) | | | | Air Bubbles |
| 20-16 | 1005 | Soil | BH-1 | (Noz | cool | -001 | X | | X | | | | | | | | | | | |
| 1 | 1030 | | BH-2 | | | -00Z | X | | X | | | | | | | | | | | |
| | 1045 | | BH-3 | | | -003 | X | | X | | | | | | | | | | | \square |
| + | 1105 | | BH-4 | | | -004 | X | | X | | | | | | | | | | + | |
| 1 | NZO | | BH-5 | | | -005 | X | | Ŷ | | | | | | | | | | | |
| \checkmark | 1140 | V | BH-G | | J. J. | | X | | X | | | | | | | | | | | |
| | | | | | | | | | | _ | + | - | - | | | | | | +- | + |
| | | | | | | | | | | | | | | | | | | | | + |
| | | | | | | | | | | | | | | | | | | | | \square |
| | | | ļ | | | | 1 | | | | | | _ | | - | | ┝─┤ | | | +- |
| | h | Delient | 1 | Received by: | L | Date Time | D | | | | | | 1 | | | | | | | Ц |
| ate: 20-6 | 2140 | Relinquish | allens | Thaste | Warts | 12/20/14 1400 | Remarks: CC: Bherbeltonv.com jadams@ltenv.com | | | | | | | | | | | | | |
| ate: Time: Refinquished by: | | | Received by: Date Time Date Time | | | | | | | | | | | | | | | | | |
| 'elle | 10-1 | 1 AIM | mitted to Hall Environmental may be sub | contracted to other a | ccredited laboratori | ap This same as notice of thi | s nossi | biliby | Any e | | acted de | ta will t | | dy not | ated or | n the a | nalytic: | al report | | ' |

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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.