



EOG Resources, Inc.
Artesia Division Office
104 S. 4th Street
Artesia, N. M. 88210

March 29, 2022

NMOCD
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Dayton Townsite Water System (Williams Water Line)
25-18S-26E
Eddy County, New Mexico
2RP-3840
nAB1623631164

Mr. Billings,

EOG Resources, Inc. is submitting the enclosed Closure Report for the above referenced site. The plan is being submitted accompanying the C-141 Closure on the most recent form.

The original Closure Report was submitted April 3, 2017, EOG Resources, Inc. hereby again submits the Closure Report for above referenced site.

Included with this Closure Report request is the Remediation Plan originally submitted for the site in 2016, and the approval email from NMOCD for the Remediation Plan.

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

Chase Settle

Chase Settle
Rep Safety & Environmental Sr.
EOG Resources, Inc.

Dayton Townsite Water System (Williams)
Closure Report
2RP-3840
nAB1623631164



March 29, 2022

EOG Resources, Inc.

Dayton Townsite Water System (Williams Water Line)

Closure Report

25-18S-26E

Eddy County, New Mexico

March 29, 2022

2RP-3840

nAB1623631164

Dayton Townsite Water System (Williams)
Closure Report
2RP-3840
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March 29, 2022

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Photos

Dayton Townsite Water System (Williams)
Closure Report
2RP-3840
nAB1623631164



March 29, 2022

I. Location

The release is located approximately 8 miles south of Artesia, NM, on Dayton Road, and approximately 3.2 miles east of Highway 285.

II. Background

On August 19, 2016, EOG Y Resources, Inc (EOG) submitted to the NMOCD District II office a Form C-141 Initial for the release of an unknown volume of produced water with 1 barrel recovered. The affected area was approximately 0.35 acre immediately adjacent to the release point of the produced water transfer line.

A Remediation Plan (Appendix B) was submitted to NMOCD on December 9, 2016, which outlined the proposed remediation method for the site. This consisted of excavating four (4) feet of impacted soil, hauling the excavated soil to a NMOCD approved disposal facility, lining the bottom of the excavation with a 20 ml synthetic liner, and then backfilling the site with caliche followed by topsoil for the last two (2) feet.

NMOCD approved the Remediation Plan without conditions of approval, but a preferred request for a more robust liner or doubling of the proposed 20 ml synthetic liner. EOG agreed to meet the request and replied on December 19, 2016 (Appendix C).

III. Scope of Work Completed

After approval of the Remediation Plan by EOG, a bid process was held to determine the contractor that would be completing the remediation of the site. On January 11, 2017, the contractor was awarded the bid, and the remediation work began on January 24, 2017.

Excavation and disposal activities for the release site were conducted from January 24 through February 23, 2017. This consisted of excavating four (4) feet of impacted soils and hauling the impacted material to R360 Environmental Solutions for disposal. Once the site had been excavated to four (4) feet below grade surface (bgs), two 20 ml synthetic liners were installed in the bottom of the excavation. The site was then backfilled with two (2) feet of caliche, followed by two (2) feet of topsoil.

On August 10, 2017, the site was seeded to coincide with the monsoonal rainfall season which historically falls in the July to September timeframe for Southeast New Mexico.

IV. Closure Request

This release, remediation work, and original C-141 Final submission occurred prior to the passage of the current Spill Rule (NMAC 19.15.29), therefore the requirements for a scaled site map, confirmation (bottom of excavation and sidewalls) sampling, and excavation photographs cannot be accommodated as they were not required or requested when the work plan was approved by NMOCD in December 2016.

Based on the remediation work approval and completion, EOG Resources, Inc. believes enough evidence is provided to substantiate that remedial activities were completed correctly for the time period, and requests Closure of nAB1623631164 (2RP-3840), the current C-141 Closure Form is included with this Closure Report as Appendix A.

Dayton Townsite Water System (Williams)
Closure Report
2RP-3840
nAB1623631164



March 29, 2022

Appendix A

C-141 (Updated Form)

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 Department

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

2RPP-3840 Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAB1623631164
District RP	2RP-3840
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # (assigned by OCD) nAB1623631164
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.72062 Longitude -104.34295
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Dayton Townsite Water System (Williams Water Line)	Site Type Produced Water Transfer Line
Date Release Discovered 08/09/2016	API# (if applicable)

Unit Letter	Section	Township	Range	County
	25	18S	26E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Donald Fanning and Sons)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 1
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Please refer to the original C-141 for details of 2RP-3840.

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	nAB1623631164
District RP	2RP-3840
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?

☐ Yes ☒ No

If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Chase Settle

Title: Rep Safety & Environmental Sr

Signature: Chase Settle

Date: 03/29/2022

email: Chase_Settle@eogresources.com

Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	nAB1623631164
District RP	2RP-3840
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr
Signature: Chase Settle Date: 03/29/2022
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Brittany Hall Date: 11/02/2022
Printed Name: Brittany Hall Title: Environmental Specialist

Dayton Townsite Water System (Williams)
Closure Report
2RP-3840
nAB1623631164



March 29, 2022

Appendix B

Remediation Plan



*EOG Resources, Inc.
Artesia Division Office
105 S. 4th Street
Artesia, N. M. 88210*

December 9, 2016

Mr. Mike Bratcher
NMOCD District II
811 South First
Artesia, NM 88210

RE: Dayton Townsite Water System (Williams Water Line)
Section 25, T18S-R26E
Eddy County, New Mexico

Mr. Bratcher,

EOG Y Resources, Inc. would like to submit the following plan of work to you regarding the release that was discovered at the above mentioned facility on 8/9/2016 (2RP-3840). The release was unknown amounts of crude oil and produced water with 1 barrel of produced water recovered.

With NMOCD approval of this work plan, EOG Y will hold a bid meeting allowing several contractors the opportunity to submit bids on this remediation project. Bids that are received will be forwarded to EOG Y Management for review. Once EOG Y Management reviews the bids and gives approval, the remediation project will be awarded to a contractor for work to commence.

If you have any questions or concerns, I can be reached at (575) 748-4111 or by email at amber_griffin@eogresources.com.

Thank You,

A handwritten signature in blue ink that reads "Amber Griffin".

Amber Griffin
Environmental Representative
EOG Y Resources, Inc.

EOG Y Resources, Inc. – Artesia Division Office

Dayton Townsite Water System (Williams Water Line) Work Plan

Section 25, T18S-R26E

Eddy County, New Mexico

December 9, 2016

I. Location

The release is located approximately 8 miles south of Artesia, NM on Highway 285 and approximately 3.2 miles east of Highway 285 on Dayton Road.

II. Background

On August 9, 2016, a release was discovered along a pipeline right-of-way. The release was unknown amounts of crude oil and produced water, with 1 barrel of produced recovered. An initial Form C-141 was submitted, via e-mail, to the NMOCD District II on August 19, 2016.

On August 16, 2016 EOG Y personnel returned to the site and collected soil samples from the release area with a backhoe, which was split into four sections. The soil samples were sent to an approved NMOCD laboratory and tested for BTEX 8021B, TPH 8015M and Chlorides 300.0. EOG Y received the analytical results on August 24 and 29, 2016 (Reports 1608B49 and 1608C32 attached to this work plan). Analytical results showed that all four sections had non-detectable levels of TPH and BTEX and were below NMOCD RRAL's. For chlorides, Sections 1 and 2 had delineated to acceptable levels while Sections 3 and 4 still showed elevated levels.

On September 13, 2016 EOG Y personnel returned to the site and collected additional soil samples from Sections 3 and 4 of the release area with a trackhoe. The soil samples were sent to an approved NMOCD laboratory and tested for Chlorides 300.0. EOG Y received the analytical results on September 27, 2016 (Report 1609856 attached to this work plan). Analytical results showed that chlorides were still at elevated levels for these two sections.

On September 13, 2016 horizontal soil samples were also taken to show that EOG Y had found the horizontal extent of the release area. EOG Y received the analytical results on September 22, 2016 (Report 1609852 attached to this work plan).

On November 15, 2016 EOG Y personnel returned to the site and collected additional soil samples with a core rig from an area between Sections 3 and 4 of the release area. The soil samples were sent to an approved NMOCD laboratory and tested for Chlorides 300.0. EOG Y received the analytical results on November 30, 2016 (Report 1611A17 attached to this work plan). Analytical results showed that chlorides had delineated to acceptable levels.

III. Surface and Ground Water

Area surface geology is Cenozoic. Groundwater records listed on NMOSE shows depth to groundwater to be approximately 35 feet making the site ranking for this site a twenty (20). It should be noted that while we had the core rig on location obtaining samples, groundwater was not encountered at 35' or 40' below the surface level, so depth to groundwater is actually deeper than 40'. Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

The ranking for this site is twenty (20) based on the as following:

Depth to ground water	<50'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

IV. Soils

The area consists of native soil, interspersed with clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

V. Scope of Work

Based on analytical results which show complete vertical and horizontal delineation, EOG Y proposes to excavate all sections to a depth of 4' below the surface level. A 20 mil liner will be installed in the bottom of the excavation. The excavation will be backfilled with 2' of caliche and 2' of top soil. The disturbed area will then be re-seeded.

All contaminated soils will be hauled to a NMOCD approved facility.

A Final C-141 will be submitted to NMOCD once all work has been completed.

Dayton Townsite Water System (Williams Water Line) VERTICAL

	Sample Area	Sample Date	Analytical Report	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chloride
1 - 2.5'	Release Area	8/16/2016	1608C32	Grab/Backhoe	2.5' BSL	ND	ND	ND	ND	2,600
1 - 4'	Release Area	8/16/2016	1608C32	Grab/Backhoe	4' BSL	ND	ND	ND	ND	420
1 - 6'	Release Area	8/16/2016	1608B49	Grab/Backhoe	6' BSL	-	-	-	-	180
1 - 8'	Release Area	8/16/2016	1608B49	Grab/Backhoe	8' BSL	-	-	-	-	130
1 - 10'	Release Area	8/16/2016	1608B49	Grab/Backhoe	10' BSL	-	-	-	-	170
2 - 2.5'	Release Area	8/16/2016	1608C32	Grab/Backhoe	2.5' BSL	ND	ND	ND	ND	18,000
2 - 4'	Release Area	8/16/2016	1608C32	Grab/Backhoe	4' BSL	ND	ND	ND	ND	14,000
2 - 6'	Release Area	8/16/2016	1608B49	Grab/Backhoe	6' BSL	-	-	-	-	14,000
2 - 8'	Release Area	8/16/2016	1608B49	Grab/Backhoe	8' BSL	-	-	-	-	17,000
2 - 10'	Release Area	8/16/2016	1608B49	Grab/Backhoe	10' BSL	-	-	-	-	9,000
2 - 12'	Release Area	8/16/2016	1608B49	Grab/Backhoe	12' BSL	-	-	-	-	2,100
2 - 14'	Release Area	8/16/2016	1608B49	Grab/Backhoe	14' BSL	-	-	-	-	310
3 - 4'	Release Area	8/16/2016	1608C32	Grab/Backhoe	4' BSL	ND	ND	ND	ND	18,000
3 - 6'	Release Area	8/16/2016	1608C32	Grab/Backhoe	6' BSL	ND	ND	ND	ND	16,000
3 - 8'	Release Area	8/16/2016	1608B49	Grab/Backhoe	8' BSL	-	-	-	-	20,000
3 - 10'	Release Area	8/16/2016	1608B49	Grab/Backhoe	10' BSL	-	-	-	-	14,000
3 - 12'	Release Area	8/16/2016	1608B49	Grab/Backhoe	12' BSL	-	-	-	-	15,000
3 - 14'	Release Area	8/16/2016	1608B49	Grab/Backhoe	14' BSL	-	-	-	-	16,000
3 - 16'	Release Area	9/13/2016	1609856	Grab/Trackhoe	16' BSL	-	-	-	-	22,000
3 - 18'	Release Area	9/13/2016	1609856	Grab/Trackhoe	18' BSL	-	-	-	-	24,000
3 - 20'	Release Area	9/13/2016	1609856	Grab/Trackhoe	20' BSL	-	-	-	-	17,000
3 - 22'	Release Area	9/13/2016	1609856	Grab/Trackhoe	22' BSL	-	-	-	-	5,200
4 - 2'	Release Area	8/16/2016	1608C32	Grab/Backhoe	2' BSL	ND	ND	ND	ND	17,000
4 - 4'	Release Area	8/16/2016	1608C32	Grab/Backhoe	4' BSL	ND	ND	ND	ND	17,000
4 - 6'	Release Area	8/16/2016	1608B49	Grab/Backhoe	6' BSL	-	-	-	-	21,000
4 - 8'	Release Area	8/16/2016	1608B49	Grab/Backhoe	8' BSL	-	-	-	-	21,000
4 - 10'	Release Area	8/16/2016	1608B49	Grab/Backhoe	10' BSL	-	-	-	-	21,000
4 - 12'	Release Area	8/16/2016	1608B49	Grab/Backhoe	12' BSL	-	-	-	-	22,000
4 - 14'	Release Area	8/16/2016	1608B49	Grab/Backhoe	14' BSL	-	-	-	-	20,000
4 - 16'	Release Area	9/13/2016	1609856	Grab/Trackhoe	16' BSL	-	-	-	-	720
4 - 18'	Release Area	9/13/2016	1609856	Grab/Trackhoe	18' BSL	-	-	-	-	14,000
4 - 20'	Release Area	9/13/2016	1609856	Grab/Trackhoe	20' BSL	-	-	-	-	14,000
CR - 25'	Release Area	11/15/2016	1611A17	Grab/Core Rig	25' BSL	-	-	-	-	190
CR - 30'	Release Area	11/15/2016	1611A17	Grab/Core Rig	30' BSL	-	-	-	-	190
CR - 35'	Release Area	11/15/2016	1611A17	Grab/Core Rig	35' BSL	-	-	-	-	260
CR - 40'	Release Area	11/15/2016	1611A17	Grab/Core Rig	40' BSL	-	-	-	-	160

Site Ranking is TWENTY (20). Depth to Ground Water <50' (approx. 35', per NMOSE 24-18S-26E).

All results are ppm.

Released: Unknown B/PW; Recovered: 1 B/PW. Release Date: 8/9/2016. 2RP-3840

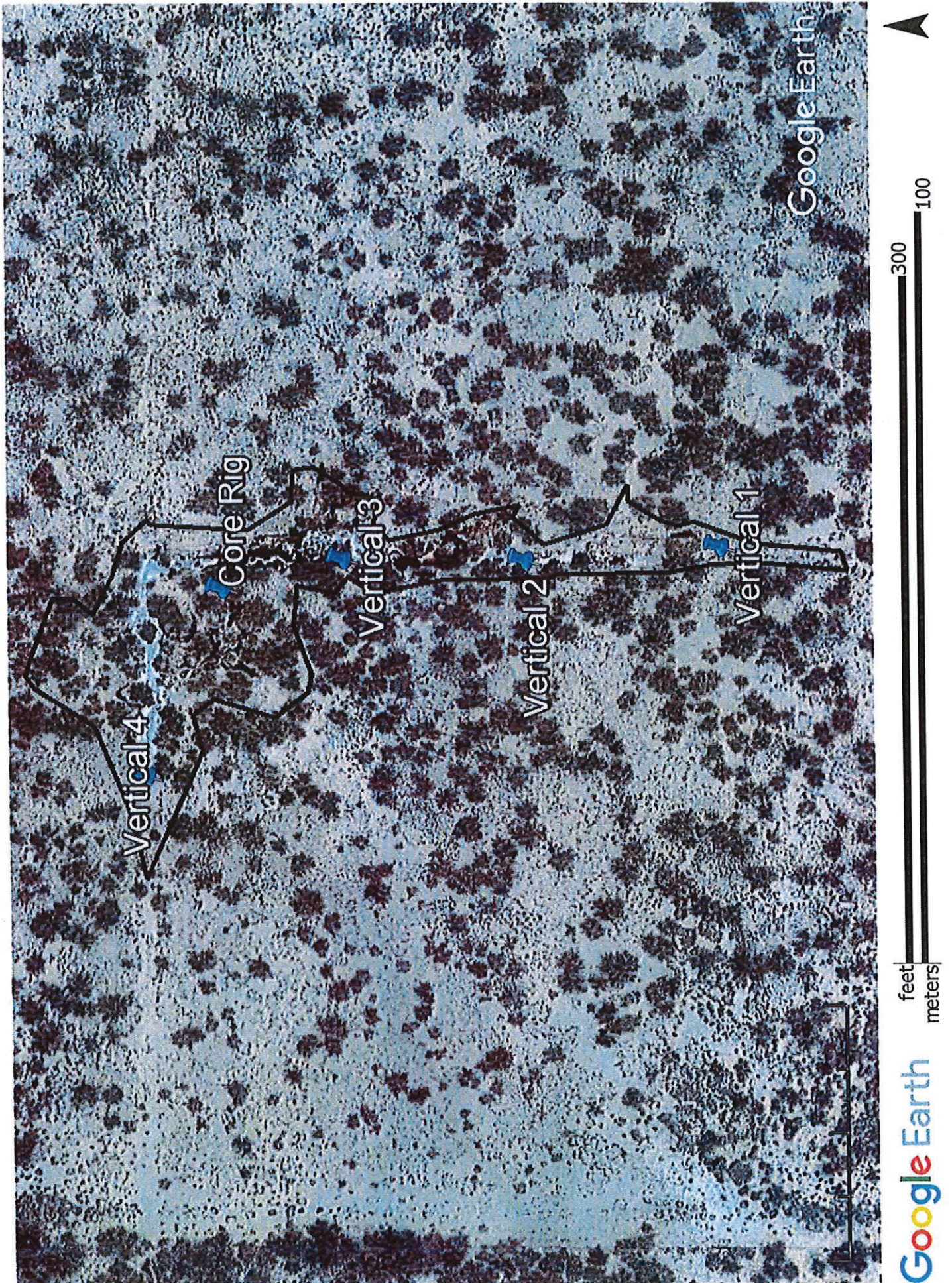
Dayton Townsite Water System (Williams Water Line) HORIZONTAL

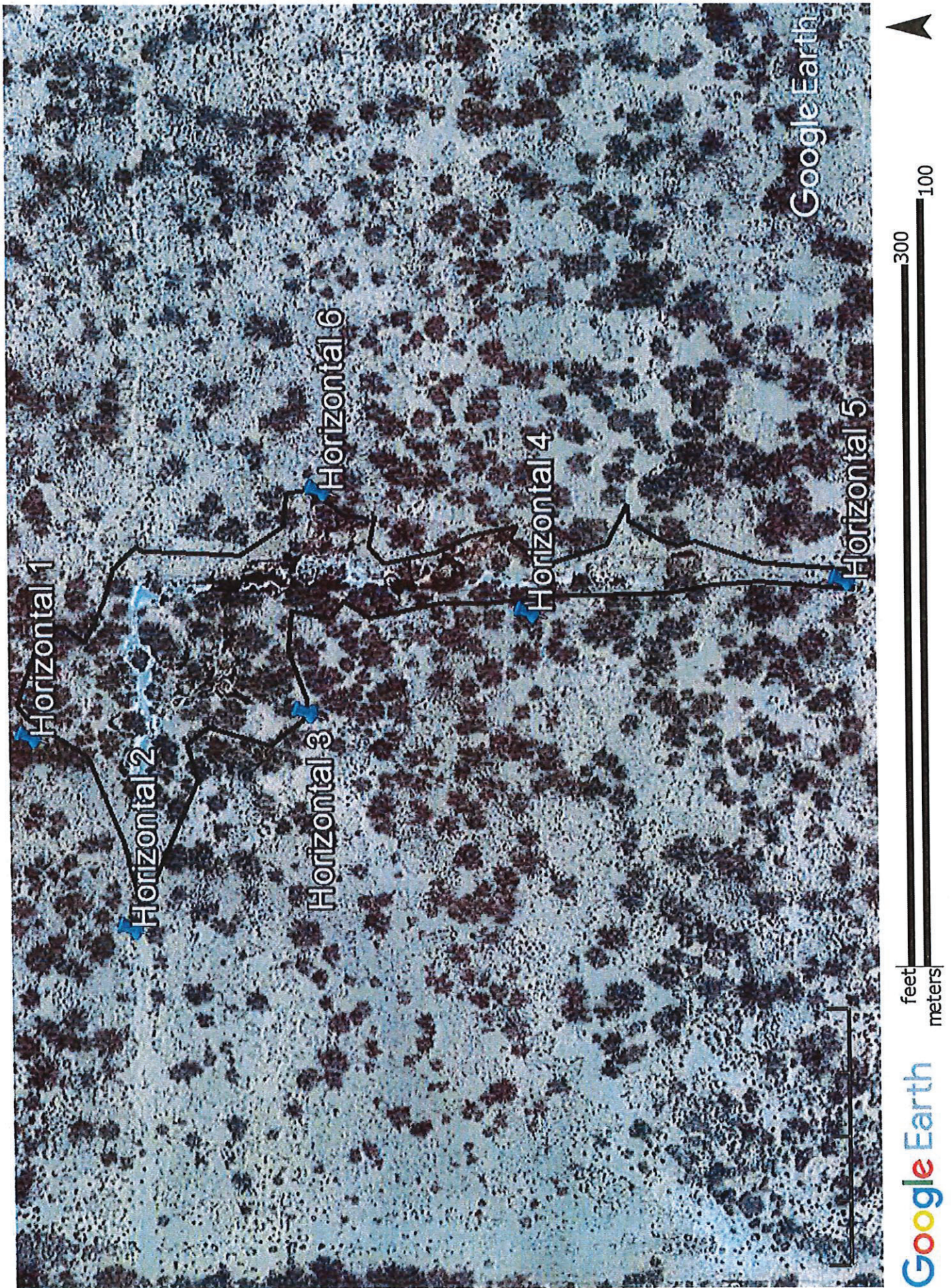
	Sample Area	Sample Date	Analytical Report	Sample Type	Depth	BTEX	GRO	DRO	TOTAL	Chloride
Horizontal #1	Outside Release Area	9/13/2016	1609852	Grab/Backhoe	2 - 3' BSL	-	-	-	-	60
Horizontal #2	Outside Release Area	9/13/2016	1609852	Grab/Backhoe	2 - 3' BSL	-	-	-	-	ND
Horizontal #3	Outside Release Area	9/13/2016	1609852	Grab/Backhoe	2 - 3' BSL	-	-	-	-	ND
Horizontal #4	Outside Release Area	9/13/2016	1609852	Grab/Backhoe	2 - 3' BSL	-	-	-	-	32
Horizontal #5	Outside Release Area	9/13/2016	1609852	Grab/Backhoe	2 - 3' BSL	-	-	-	-	32
Horizontal #6	Outside Release Area	9/13/2016	1609852	Grab/Backhoe	2 - 3' BSL	-	-	-	-	140

Site Ranking is TWENTY (20). Depth to Ground Water <50' (approx. 35' per NMOSE 24-18S-26E).

All results are ppm.

Released: Unknown B/PW; Recovered: 1 B/PW. Release Date: 8/9/2016. 2RP-3840







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

August 24, 2016

Amber Griffin

Yates Petroleum Corporation

105 South Fourth Street

Artesia, NM 88210

TEL: (575) 748-4111

FAX

RE: Dayton Townsite Water System (Williams Water Line)

OrderNo.: 1608B49

Dear Amber Griffin:

Hall Environmental Analysis Laboratory received 17 sample(s) on 8/18/2016 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 www.hallenvironmental.com 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 qualifiers 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", with a stylized flourish at the end.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order: 1608B49

Date Reported: 8/24/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Lab Order: 1608B49

Lab ID: 1608B49-001 **Collection Date:** 8/16/2016 8:24:00 AM
Client Sample ID: 1-6 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: MRA							
Chloride	180	30		mg/Kg	20	8/22/2016 12:20:14 PM	27113

Lab ID: 1608B49-002 **Collection Date:** 8/16/2016 8:29:00 AM
Client Sample ID: 1-8 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: MRA							
Chloride	130	30		mg/Kg	20	8/22/2016 12:57:29 PM	27113

Lab ID: 1608B49-003 **Collection Date:** 8/16/2016 8:33:00 AM
Client Sample ID: 1-10 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: MRA							
Chloride	170	30		mg/Kg	20	8/22/2016 1:09:53 PM	27113

Lab ID: 1608B49-004 **Collection Date:** 8/16/2016 9:16:00 AM
Client Sample ID: 2-6 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: MRA							
Chloride	14000	750		mg/Kg	500	8/23/2016 9:40:22 PM	27113

Lab ID: 1608B49-005 **Collection Date:** 8/16/2016 9:20:00 AM
Client Sample ID: 2-8 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: MRA							
Chloride	17000	750		mg/Kg	500	8/23/2016 9:52:46 PM	27113

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	
	D Sample Diluted Due to Matrix	E Value above quantitation range	
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	Page 1 of 5
	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	

Analytical Report

Lab Order: 1608B49

Date Reported: 8/24/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Lab Order: 1608B49

Lab ID: 1608B49-006

Collection Date: 8/16/2016 9:24:00 AM

Client Sample ID: 2-10

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	9000	750		mg/Kg	500	8/23/2016 10:05:11 PM	27113

Analyst: MRA

Lab ID: 1608B49-007

Collection Date: 8/16/2016 9:30:00 AM

Client Sample ID: 2-12

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	2100	75		mg/Kg	50	8/23/2016 10:17:36 PM	27113

Analyst: MRA

Lab ID: 1608B49-008

Collection Date: 8/16/2016 9:35:00 AM

Client Sample ID: 2-14

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	310	30		mg/Kg	20	8/22/2016 2:36:46 PM	27113

Analyst: MRA

Lab ID: 1608B49-009

Collection Date: 8/16/2016 9:48:00 AM

Client Sample ID: 3-8

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	20000	1500		mg/Kg	1E	8/23/2016 10:30:00 PM	27113

Analyst: MRA

Lab ID: 1608B49-010

Collection Date: 8/16/2016 9:51:00 AM

Client Sample ID: 3-10

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	14000	750		mg/Kg	500	8/23/2016 10:42:25 PM	27113

Analyst: MRA

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	
	D Sample Diluted Due to Matrix	E Value above quantitation range	
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range	Page 2 of 5
	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: 1608B49

Date Reported: 8/24/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Lab Order: 1608B49

Lab ID: 1608B49-011

Collection Date: 8/16/2016 9:56:00 AM

Client Sample ID: 3-12

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	15000	750		mg/Kg	500	8/23/2016 10:54:50 PM	27113

Analyst: MRA

Lab ID: 1608B49-012

Collection Date: 8/16/2016 10:02:00 AM

Client Sample ID: 3-14

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	16000	750		mg/Kg	500	8/23/2016 11:07:14 PM	27113

Analyst: MRA

Lab ID: 1608B49-013

Collection Date: 8/16/2016 10:40:00 AM

Client Sample ID: 4-6

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	21000	750		mg/Kg	500	8/23/2016 11:44:29 PM	27113

Analyst: MRA

Lab ID: 1608B49-014

Collection Date: 8/16/2016 10:43:00 AM

Client Sample ID: 4-8

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	21000	1500		mg/Kg	1E	8/23/2016 11:56:54 PM	27113

Analyst: MRA

Lab ID: 1608B49-015

Collection Date: 8/16/2016 10:46:00 AM

Client Sample ID: 4-10

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	21000	1500		mg/Kg	1E	8/24/2016 12:09:18 AM	27113

Analyst: MRA

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	
	D Sample Diluted Due to Matrix	E Value above quantitation range	
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	Page 3 of 5
	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	

Analytical Report

Lab Order: 1608B49

Date Reported: 8/24/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Lab Order: 1608B49**Lab ID:** 1608B49-016**Collection Date:** 8/16/2016 10:50:00 AM**Client Sample ID:** 4-12**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	22000	1500		mg/Kg	1E	8/24/2016 12:21:43 AM	27113
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Lab ID: 1608B49-017**Collection Date:** 8/16/2016 10:56:00 AM**Client Sample ID:** 4-14**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: MRA

Chloride	20000	750		mg/Kg	500	8/24/2016 12:34:08 AM	27113
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Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	
	D Sample Diluted Due to Matrix	E Value above quantitation range	
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	Page 4 of 5
	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#: 1608B49

24-Aug-16

Client: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Sample ID	MB-27113	SampType:	mbk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	27113	RunNo:	36677					
Prep Date:	8/22/2016	Analysis Date:	8/22/2016	SeqNo:	1136325	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-27113	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	27113	RunNo:	36677					
Prep Date:	8/22/2016	Analysis Date:	8/22/2016	SeqNo:	1136326	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.2	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| 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 |

Page 5 of 5



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

Sample Log-In Check List

Client Name: Yates Petroleum Corpora

Work Order Number: 1608B49

RcptNo: 1

Received by/date:

Logged By:

Ashley Gallegos

8/18/2016 9:55:00 AM

Completed By:

Ashley Gallegos

8/19/2016 8:41:28 AM

Reviewed By:

jc 08/19/16

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?

Courier

Log In

4. Was an attempt made to cool the samples?

Yes ☐No ☒NA ☐

5. Were all samples received at a temperature 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?

Yes ☐No ☒

12. Does paperwork match bottle labels?

Yes ☒No ☐

(Note discrepancies on chain of custody)

13. Are matrices correctly identified on Chain of Custody?

Yes ☒No ☐

14. Is it clear what analyses were requested?

Yes ☒No ☐

15. Were all holding times able to be met?

Yes ☒No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?

Yes ☐No ☐NA ☒

Person Notified:

Date

By Whom:

Via:

☐ eMail☐ Phone☐ Fax☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	22.1	Good	Yes			

Chain-of-Custody Record

Client: Yates Petroleum Corporation

Billing Address:

05 South 4th Street Artesia, NM 88210

Phone #: 575-513-8799 or 575-748-4111

Email or Fax#: agriffin@yatespetroleum.com

A/QC Package:

Standard ☐ Level 4 (Full Validation)

Accreditation:

NELAP ☐ Other

EDD (Type)

Sample Request ID

Time Matrix

Date

Time

Matrix

Sample Request ID

Time

Matrix

Sample Request ID

Time

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Sample Request ID

Time

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Sample Request ID

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Sample Request ID

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Sample Request ID

Time

Matrix

Date: 8/25/2016

Standard ☒ Rush ☐

Project Name:

Dayton Townsite Water System (Williams Water Line)

Project #:

8/9/2016 Release

Project Manager:

Amber Griffin

PO # 205-2020

Sampler:

On Ice: ☐ Yes ☒ No

Sample Temperature: 22.1

Container Type and #

Preservative Type

HEAL No:

11083349

1 - 4 oz.

1 - 4 oz.

1 - 4 oz.

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Date: 8/25/2016

Standard ☒ Rush ☐

Project Name:

Dayton Townsite Water System (Williams Water Line)

Project #:

8/9/2016 Release

Project Manager:

Amber Griffin

PO # 205-2020

Sampler:

On Ice: ☐ Yes ☒ No

Sample Temperature: 22.1

Container Type and #

Preservative Type

HEAL No:

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Date: 8/25/2016

Standard ☒ Rush ☐

Project Name:

Dayton Townsite Water System (Williams Water Line)

Project #:

8/9/2016 Release

Project Manager:

Amber Griffin

PO # 205-2020

Sampler:

On Ice: ☐ Yes ☒ No

Sample Temperature: 22.1

Container Type and #

Preservative Type

HEAL No:

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Date: 8/25/2016

Standard ☒ Rush ☐

Project Name:

Dayton Townsite Water System (Williams Water Line)

Project #:

8/9/2016 Release

Project Manager:

Amber Griffin

PO # 205-2020

Sampler:

On Ice: ☐ Yes ☒ No

Sample Temperature: 22.1

Container Type and #

Preservative Type

HEAL No:

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Date: 8/25/2016

Standard ☒ Rush ☐

Project Name:

Dayton Townsite Water System (Williams Water Line)

Project #:

8/9/2016 Release

Project Manager:

Amber Griffin

PO # 205-2020

Sampler:

On Ice: ☐ Yes ☒ No

Sample Temperature: 22.1

Container Type and #

Preservative Type

HEAL No:

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Date: 8/25/2016

Standard ☒ Rush ☐

Project Name:

Dayton Townsite Water System (Williams Water Line)

Project #:

8/9/2016 Release

Project Manager:

Amber Griffin

PO # 205-2020

Sampler:

On Ice: ☐ Yes ☒ No

Sample Temperature: 22.1

Container Type and #

Preservative Type

HEAL No:

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Date: 8/25/2016

Standard ☒ Rush ☐

Project Name:

Dayton Townsite Water System (Williams Water Line)

Project #:

8/9/2016 Release

Project Manager:

Amber Griffin

PO # 205-2020

Sampler:

On Ice: ☐ Yes ☒ No

Sample Temperature: 22.1

Container Type and #

Preservative Type

HEAL No:

11083349

1 - 4 oz.

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Project Name: Dayton Townsite Water System (Williams Water Line)

Project #: 8/9/2016 Release

Project Manager: Amber Griffin

PO # 205-2020

Sampler: Amber Griffin AG

On Ice: ☐ Yes ☒ No

Sample Temperature: 22.1

Container Type and #

Preservative Type

HEAL No. 11006849

1 - 4 oz

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Client: Yates Petroleum Corporation

Address: 05 South 4th Street Artesia, NM 88210

Phone #: 575-513-8799 or 575-748-4111

Email or Fax#: agriffin@yatespetroleum.com

A/QC Package: ☐ Level 4 (Full Validation)

Standard: ☐ NELAP ☐ Other

Accreditation: ☐ NELAP ☐ Other

EDD (Type): ☐ Standard ☐ Level 4 (Full Validation)

Project Name: Dayton Townsite Water System (Williams Water Line)

Project #: 8/9/2016 Release

Project Manager: Amber Griffin

PO # 205-2020

Sampler: Amber Griffin AG

On Ice: ☐ Yes ☒ No

Sample Temperature: 22.1

Container Type and #

Preservative Type

HEAL No. 11006849

1 - 4 oz

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Client: Yates Petroleum Corporation

Address: 05 South 4th Street Artesia, NM 88210

Phone #: 575-513-8799 or 575-748-4111

Email or Fax#: agriffin@yatespetroleum.com

A/QC Package: ☐ Level 4 (Full Validation)

Standard: ☐ NELAP ☐ Other

Accreditation: ☐ NELAP ☐ Other

EDD (Type): ☐ Standard ☐ Level 4 (Full Validation)

Project Name: Dayton Townsite Water System (Williams Water Line)

Project #: 8/9/2016 Release

Project Manager: Amber Griffin

PO # 205-2020

Sampler: Amber Griffin AG

On Ice: ☐ Yes ☒ No

Sample Temperature: 22.1

Container Type and #

Preservative Type

HEAL No. 11006849

1 - 4 oz

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Received by: Amber Griffin

Date: 8/16/16

Time: 0955

Received by: Amber Griffin

Date: 8/16/16

Time: 0955

Remarks: Anions: Chloride only. PAGE 2 OF 2.

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.



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

August 29, 2016

Amber Griffin

Yates Petroleum Corporation

105 South Fourth Street

Artesia, NM 88210

TEL: (575) 748-4195

FAX

RE: Dayton Townsite Water System (Williams Water Line)

OrderNo.: 1608C32

Dear Amber Griffin:

Hall Environmental Analysis Laboratory received 8 sample(s) on 8/18/2016 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 www.hallenvironmental.com 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 qualifiers 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", with a stylized flourish at the end.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order: 1608C32

Date Reported: 8/29/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Lab Order: 1608C32**Lab ID:** 1608C32-001**Collection Date:** 8/16/2016 8:19:00 AM**Client Sample ID:** 1-2.5'**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	2600	75		mg/Kg	50	8/26/2016 4:21:44 PM	27138

Analyst: MRA

Lab ID: 1608C32-002**Collection Date:** 8/16/2016 8:21:00 AM**Client Sample ID:** 1-4'**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	420	30		mg/Kg	20	8/24/2016 11:14:50 AM	27138

Analyst: MRA

Lab ID: 1608C32-003**Collection Date:** 8/16/2016 9:12:00 AM**Client Sample ID:** 2-2.5'**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	18000	750		mg/Kg	500	8/26/2016 4:34:08 PM	27138

Analyst: MRA

Lab ID: 1608C32-004**Collection Date:** 8/16/2016 9:14:00 AM**Client Sample ID:** 2-4'**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	14000	750		mg/Kg	500	8/26/2016 4:46:33 PM	27138

Analyst: MRA

Lab ID: 1608C32-005**Collection Date:** 8/16/2016 9:43:00 AM**Client Sample ID:** 3-4'**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	18000	750		mg/Kg	500	8/26/2016 4:58:57 PM	27138

Analyst: MRA

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	
	D Sample Diluted Due to Matrix	E Value above quantitation range	
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	Page 1 of 3
	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	

Analytical Report

Lab Order: 1608C32

Date Reported: 8/29/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Lab Order: 1608C32

Lab ID: 1608C32-006 **Collection Date:** 8/16/2016 9:45:00 AM
Client Sample ID: 3-6' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: MRA							
Chloride	16000	750		mg/Kg	500	8/26/2016 5:36:10 PM	27138

Lab ID: 1608C32-007 **Collection Date:** 8/16/2016 10:32:00 AM
Client Sample ID: 4-2' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: MRA							
Chloride	17000	750		mg/Kg	500	8/26/2016 5:48:34 PM	27138

Lab ID: 1608C32-008 **Collection Date:** 8/16/2016 10:36:00 AM
Client Sample ID: 4-4' **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: MRA							
Chloride	17000	750		mg/Kg	500	8/26/2016 6:00:59 PM	27138

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	
	D Sample Diluted Due to Matrix	E Value above quantitation range	
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	Page 2 of 3
	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#: 1608C32

29-Aug-16

Client: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Sample ID	MB-27138	SampType:	mbk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	27138	RunNo:	36705					
Prep Date:	8/23/2016	Analysis Date:	8/24/2016	SeqNo:	1137468	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-27138	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	27138	RunNo:	36705					
Prep Date:	8/23/2016	Analysis Date:	8/24/2016	SeqNo:	1137469	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| 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 |

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

Sample Log-In Check List

Client Name: Yates Petroleum Corporat

Work Order Number: 1608C32

RcptNo: 1

Received by/date:

AS

08/18/16

Logged By: Lindsay Mangin

8/18/2016 9:55:00 AM

Lindsay Mangin

Completed By: Lindsay Mangin

8/22/2016 12:28:41 PM

Lindsay Mangin

Reviewed By:

JA

08/23/16

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?

Courier

Log In

4. Was an attempt made to cool the samples?

Yes ☒

No ☐

NA ☐

5. Were all samples received at a temperature 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?

Yes ☐

No ☒

of preserved bottles checked for pH:

(<2 or >12 unless noted)

12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody)

Yes ☒

No ☐

Adjusted?

13. Are matrices correctly identified on Chain of Custody?

Yes ☒

No ☐

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. Was client notified of all discrepancies with this order?

Yes ☐

No ☐

NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.5	Good	Yes			



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

August 29, 2016

Amber Griffin

Yates Petroleum Corporation

105 South Fourth Street

Artesia, NM 88210

TEL: (575) 748-4195

FAX

RE: Dayton Townsite Water System (Williams Water Line)

OrderNo.: 1608C32

Dear Amber Griffin:

Hall Environmental Analysis Laboratory received 8 sample(s) on 8/18/2016 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 www.hallenvironmental.com 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 qualifiers 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman'.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1608C32

Date Reported: 8/29/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Client Sample ID: 1-2.5'

Project: Dayton Townsite Water System (William

Collection Date: 8/16/2016 8:19:00 AM

Lab ID: 1608C32-001

Matrix: SOIL

Received Date: 8/18/2016 9:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/24/2016 11:28:14 AM	27096
Surr: DNOP	75.6	70-130		%Rec	1	8/24/2016 11:28:14 AM	27096
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/24/2016 12:43:58 PM	27122
Surr: BFB	81.1	68.3-144		%Rec	1	8/24/2016 12:43:58 PM	27122
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/24/2016 12:43:58 PM	27122
Toluene	ND	0.049		mg/Kg	1	8/24/2016 12:43:58 PM	27122
Ethylbenzene	ND	0.049		mg/Kg	1	8/24/2016 12:43:58 PM	27122
Xylenes, Total	ND	0.097		mg/Kg	1	8/24/2016 12:43:58 PM	27122
Surr: 4-Bromofluorobenzene	95.2	80-120		%Rec	1	8/24/2016 12:43:58 PM	27122

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	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

Page 1 of 11

Analytical Report

Lab Order 1608C32

Date Reported: 8/29/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Client Sample ID: 1-4'

Project: Dayton Townsite Water System (William

Collection Date: 8/16/2016 8:21:00 AM

Lab ID: 1608C32-002

Matrix: SOIL

Received Date: 8/18/2016 9:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/24/2016 11:50:12 AM	27096
Surr: DNOP	84.8	70-130		%Rec	1	8/24/2016 11:50:12 AM	27096
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/24/2016 1:54:24 PM	27122
Surr: BFB	80.6	68.3-144		%Rec	1	8/24/2016 1:54:24 PM	27122
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/24/2016 1:54:24 PM	27122
Toluene	ND	0.048		mg/Kg	1	8/24/2016 1:54:24 PM	27122
Ethylbenzene	ND	0.048		mg/Kg	1	8/24/2016 1:54:24 PM	27122
Xylenes, Total	ND	0.095		mg/Kg	1	8/24/2016 1:54:24 PM	27122
Surr: 4-Bromofluorobenzene	95.7	80-120		%Rec	1	8/24/2016 1:54:24 PM	27122

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	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

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Analytical Report

Lab Order 1608C32

Date Reported: 8/29/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Client Sample ID: 2-2.5'

Project: Dayton Townsite Water System (William

Collection Date: 8/16/2016 9:12:00 AM

Lab ID: 1608C32-003

Matrix: SOIL

Received Date: 8/18/2016 9:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/24/2016 12:12:00 PM	27096
Surr: DNOP	82.1	70-130		%Rec	1	8/24/2016 12:12:00 PM	27096
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/24/2016 3:04:46 PM	27122
Surr: BFB	82.4	68.3-144		%Rec	1	8/24/2016 3:04:46 PM	27122
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/24/2016 3:04:46 PM	27122
Toluene	ND	0.048		mg/Kg	1	8/24/2016 3:04:46 PM	27122
Ethylbenzene	ND	0.048		mg/Kg	1	8/24/2016 3:04:46 PM	27122
Xylenes, Total	ND	0.095		mg/Kg	1	8/24/2016 3:04:46 PM	27122
Surr: 4-Bromofluorobenzene	96.2	80-120		%Rec	1	8/24/2016 3:04:46 PM	27122

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	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

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Analytical Report

Lab Order 1608C32

Date Reported: 8/29/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Client Sample ID: 2-4'

Project: Dayton Townsite Water System (William

Collection Date: 8/16/2016 9:14:00 AM

Lab ID: 1608C32-004

Matrix: SOIL

Received Date: 8/18/2016 9:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	8/24/2016 12:33:53 PM	27096
Surr: DNOP	81.9	70-130		%Rec	1	8/24/2016 12:33:53 PM	27096
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/24/2016 3:28:18 PM	27122
Surr: BFB	80.8	68.3-144		%Rec	1	8/24/2016 3:28:18 PM	27122
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/24/2016 3:28:18 PM	27122
Toluene	ND	0.048		mg/Kg	1	8/24/2016 3:28:18 PM	27122
Ethylbenzene	ND	0.048		mg/Kg	1	8/24/2016 3:28:18 PM	27122
Xylenes, Total	ND	0.096		mg/Kg	1	8/24/2016 3:28:18 PM	27122
Surr: 4-Bromofluorobenzene	94.5	80-120		%Rec	1	8/24/2016 3:28:18 PM	27122

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	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

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Analytical Report

Lab Order 1608C32

Date Reported: 8/29/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Client Sample ID: 3-4'

Project: Dayton Townsite Water System (William

Collection Date: 8/16/2016 9:43:00 AM

Lab ID: 1608C32-005

Matrix: SOIL

Received Date: 8/18/2016 9:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/24/2016 12:55:45 PM	27096
Surr: DNOP	81.8	70-130		%Rec	1	8/24/2016 12:55:45 PM	27096
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/24/2016 3:51:47 PM	27122
Surr: BFB	79.7	68.3-144		%Rec	1	8/24/2016 3:51:47 PM	27122
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/24/2016 3:51:47 PM	27122
Toluene	ND	0.048		mg/Kg	1	8/24/2016 3:51:47 PM	27122
Ethylbenzene	ND	0.048		mg/Kg	1	8/24/2016 3:51:47 PM	27122
Xylenes, Total	ND	0.095		mg/Kg	1	8/24/2016 3:51:47 PM	27122
Surr: 4-Bromofluorobenzene	91.7	80-120		%Rec	1	8/24/2016 3:51:47 PM	27122

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	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

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Analytical Report

Lab Order 1608C32

Date Reported: 8/29/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Client Sample ID: 3-6'

Project: Dayton Townsite Water System (William

Collection Date: 8/16/2016 9:45:00 AM

Lab ID: 1608C32-006

Matrix: SOIL

Received Date: 8/18/2016 9:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/24/2016 1:17:43 PM	27096
Surr: DNOP	87.5	70-130		%Rec	1	8/24/2016 1:17:43 PM	27096
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/24/2016 4:15:10 PM	27122
Surr: BFB	79.3	68.3-144		%Rec	1	8/24/2016 4:15:10 PM	27122
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/24/2016 4:15:10 PM	27122
Toluene	ND	0.049		mg/Kg	1	8/24/2016 4:15:10 PM	27122
Ethylbenzene	ND	0.049		mg/Kg	1	8/24/2016 4:15:10 PM	27122
Xylenes, Total	ND	0.097		mg/Kg	1	8/24/2016 4:15:10 PM	27122
Surr: 4-Bromofluorobenzene	91.4	80-120		%Rec	1	8/24/2016 4:15:10 PM	27122

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	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

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Analytical Report

Lab Order 1608C32

Date Reported: 8/29/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Client Sample ID: 4-2'

Project: Dayton Townsite Water System (William

Collection Date: 8/16/2016 10:32:00 AM

Lab ID: 1608C32-007

Matrix: SOIL

Received Date: 8/18/2016 9:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/24/2016 1:39:33 PM	27096
Surr: DNOP	78.7	70-130		%Rec	1	8/24/2016 1:39:33 PM	27096
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/24/2016 8:56:03 PM	27122
Surr: BFB	81.8	68.3-144		%Rec	1	8/24/2016 8:56:03 PM	27122
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/24/2016 8:56:03 PM	27122
Toluene	ND	0.048		mg/Kg	1	8/24/2016 8:56:03 PM	27122
Ethylbenzene	ND	0.048		mg/Kg	1	8/24/2016 8:56:03 PM	27122
Xylenes, Total	ND	0.096		mg/Kg	1	8/24/2016 8:56:03 PM	27122
Surr: 4-Bromofluorobenzene	94.8	80-120		%Rec	1	8/24/2016 8:56:03 PM	27122

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	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

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Analytical Report

Lab Order 1608C32

Date Reported: 8/29/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation

Client Sample ID: 4-4'

Project: Dayton Townsite Water System (William

Collection Date: 8/16/2016 10:36:00 AM

Lab ID: 1608C32-008

Matrix: SOIL

Received Date: 8/18/2016 9:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/24/2016 2:01:31 PM	27096
Surr: DNOP	81.1	70-130		%Rec	1	8/24/2016 2:01:31 PM	27096
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/24/2016 9:19:20 PM	27122
Surr: BFB	81.8	68.3-144		%Rec	1	8/24/2016 9:19:20 PM	27122
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	8/24/2016 9:19:20 PM	27122
Toluene	ND	0.050		mg/Kg	1	8/24/2016 9:19:20 PM	27122
Ethylbenzene	ND	0.050		mg/Kg	1	8/24/2016 9:19:20 PM	27122
Xylenes, Total	ND	0.099		mg/Kg	1	8/24/2016 9:19:20 PM	27122
Surr: 4-Bromofluorobenzene	94.4	80-120		%Rec	1	8/24/2016 9:19:20 PM	27122

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	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

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1608C32

29-Aug-16

Client: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Sample ID	LCS-27096	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	27096	RunNo:	36709					
Prep Date:	8/22/2016	Analysis Date:	8/24/2016	SeqNo:	1137693	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	10	50.00	0	112	62.6	124			
Surr: DNOP	4.9		5.000		98.6	70	130			

Sample ID	MB-27096	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	27096	RunNo:	36709					
Prep Date:	8/22/2016	Analysis Date:	8/24/2016	SeqNo:	1137694	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.0		10.00		89.5	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

Page 9 of 11

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1608C32

29-Aug-16

Client: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Sample ID MB-27122	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 27122	RunNo: 36718								
Prep Date: 8/23/2016	Analysis Date: 8/24/2016	SeqNo: 1138315 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	760		1000		76.0	68.3	144			

Sample ID LCS-27122	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 27122	RunNo: 36718								
Prep Date: 8/23/2016	Analysis Date: 8/24/2016	SeqNo: 1138316 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.6	80	120			
Surr: BFB	850		1000		84.7	68.3	144			

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 10 of 11

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1608C32

29-Aug-16

Client: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Sample ID	MB-27122	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID: 27122			RunNo: 36718					
Prep Date:	8/23/2016	Analysis Date: 8/24/2016			SeqNo: 1138341		Units: mg/Kg			
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	0.89		1.000		88.5	80	120			

Sample ID	LCS-27122	SampType: LCS			TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID: 27122			RunNo: 36718					
Prep Date:	8/23/2016	Analysis Date: 8/24/2016			SeqNo: 1138342		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.1	75.3	123			
Toluene	0.92	0.050	1.000	0	92.0	80	124			
Ethylbenzene	0.97	0.050	1.000	0	96.6	82.8	121			
Xylenes, Total	2.9	0.10	3.000	0	97.5	83.9	122			
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

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 11 of 11



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

Sample Log-In Check List

Client Name: Yates Petroleum Corporat

Work Order Number: 1608C32

RcptNo: 1

Received by/date:

AS

08/18/16

Logged By: Lindsay Mangin

8/18/2016 9:55:00 AM

Completed By: Lindsay Mangin

8/22/2016 12:28:41 PM

Reviewed By:

JA

08/23/16

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?

CourierLog In

4. Was an attempt made to cool the samples?

Yes ☒No ☐NA ☐

5. Were all samples received at a temperature 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?

Yes ☐No ☒# of preserved
bottles checked
for pH:

12. Does paperwork match bottle labels?

Yes ☒No ☐

(<2 or >12 unless noted)

(Note discrepancies on chain of custody)

13. Are matrices correctly identified on Chain of Custody?

Yes ☒No ☐

Adjusted?

14. Is it clear what analyses were requested?

Yes ☒No ☐

15. Were all holding times able to be met?

Yes ☒No ☐

Checked by:

(If no, notify customer for authorization.)

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?

Yes ☐No ☐NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.5	Good	Yes			

Chain-of-Custody Record

Client: Yates Petroleum Corporation

Billing Address:

35 South 4th Street Artesia, NM 88210

Phone #: 575-513-8799 or 575-748-4111

Email or Fax#: agriffin@yatespetroleum.com

A/QC Package:

Standard

Level 4 (Full Validation)

Accreditation:

NELAP

Other

EDD (Type)

Turn-Around Time:

8/25/2016

Standard ☒ Rush ☐

Project Name:

Dayton Townsite Water System (Williams Water Line)

Project #:

8/9/2016 Release

Project Manager:

Amber Griffin

PO # 205-2020

Sampler:

Amber Griffin HG

On Ice: ☒ Yes ☐ No

Sample Temperature:

1.50C

Date

Time

Matrix

Sample Request ID

Container Type and #

Preservative Type

HEAL No.

11008032

1 - 4 oz.

Ice

-001

1 - 4 oz.

Ice

-002

1 - 4 oz.

Ice

-003

1 - 4 oz.

Ice

-004

1 - 4 oz.

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-005

1 - 4 oz.

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

September 27, 2016

Amber Griffin

Yates Petroleum Corporation
105 South Fourth Street
Artesia, NM 88210
TEL: (575) 748-4195
FAX

RE: Dayton Townsite Water System (Williams Water Line)

OrderNo.: 1609856

Dear Amber Griffin:

Hall Environmental Analysis Laboratory received 7 sample(s) on 9/15/2016 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 www.hallenvironmental.com 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 qualifiers 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,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order: 1609856

Date Reported: 9/27/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Lab Order: 1609856**Lab ID:** 1609856-001**Collection Date:** 9/13/2016 10:08:00 AM**Client Sample ID:** 3-16'**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	22000	750		mg/Kg	500	9/23/2016 3:49:40 AM	27611

Analyst: LGT

Lab ID: 1609856-002**Collection Date:** 9/13/2016 10:14:00 AM**Client Sample ID:** 3-18'**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	24000	1500		mg/Kg	1E	9/23/2016 4:02:05 AM	27611

Analyst: LGT

Lab ID: 1609856-003**Collection Date:** 9/13/2016 10:20:00 AM**Client Sample ID:** 3-20'**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	17000	750		mg/Kg	500	9/23/2016 4:14:29 AM	27611

Analyst: LGT

Lab ID: 1609856-004**Collection Date:** 9/13/2016 10:35:00 AM**Client Sample ID:** 3-22'**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	5200	300		mg/Kg	200	9/23/2016 4:26:54 AM	27611

Analyst: LGT

Lab ID: 1609856-005**Collection Date:** 9/13/2016 11:01:00 AM**Client Sample ID:** 4-16'**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	720	30		mg/Kg	20	9/21/2016 4:28:55 PM	27611

Analyst: LGT

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	
	D Sample Diluted Due to Matrix	E Value above quantitation range	
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	Page 1 of 3
	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	

Analytical Report

Lab Order: 1609856

Date Reported: 9/27/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Lab Order: 1609856

Lab ID: 1609856-006

Collection Date: 9/13/2016 11:06:00 AM

Client Sample ID: 4-18'

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: LGT

Chloride	14000	750		mg/Kg	500	9/23/2016 4:39:18 AM	27611
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Lab ID: 1609856-007

Collection Date: 9/13/2016 11:12:00 AM

Client Sample ID: 4-20'

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: LGT

Chloride	14000	750		mg/Kg	500	9/23/2016 4:51:43 AM	27611
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Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	
	D Sample Diluted Due to Matrix	E Value above quantitation range	
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	Page 2 of 3
	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#: 1609856

27-Sep-16

Client: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Sample ID	MB-27611	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	27611	RunNo:	37376					
Prep Date:	9/20/2016	Analysis Date:	9/21/2016	SeqNo:	1161550	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-27611	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	27611	RunNo:	37376					
Prep Date:	9/20/2016	Analysis Date:	9/21/2016	SeqNo:	1161552	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| 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 |

Page 3 of 3



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

Sample Log-In Check List

Client Name: Yates Petroleum Corpora

Work Order Number: 1609856

RcptNo: 1

Received by/date:

UK 09/15/16

Logged By: Lindsay Mangin

9/15/2016 10:25:00 AM

Janet Haggard

Completed By: Lindsay Mangin

9/15/2016 3:04:13 PM

Janet Haggard

Reviewed By:

AS

09/16/16

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?

Courier

Log In

4. Was an attempt made to cool the samples?

Yes ☒No ☐NA ☐5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ 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?

Yes ☐No ☒

12. Does paperwork match bottle labels?

Yes ☒No ☐

(Note discrepancies on chain of custody)

13. Are matrices correctly identified on Chain of Custody?

Yes ☒No ☐

14. Is it clear what analyses were requested?

Yes ☒No ☐

15. Were all holding times able to be met?

Yes ☒No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?

Yes ☐No ☐NA ☒

Person Notified:

Date

By Whom:

Via:

☐ eMail☐ Phone☐ Fax☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			



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

September 22, 2016

Amber Griffin

Yates Petroleum Corporation

105 South Fourth Street

Artesia, NM 88210

TEL: (575) 748-4195

FAX

RE: Dayton Townsite Water System (Williams Water Line)

OrderNo.: 1609852

Dear Amber Griffin:

Hall Environmental Analysis Laboratory received 6 sample(s) on 9/15/2016 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 www.hallenvironmental.com 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 qualifiers 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,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order: 1609852

Date Reported: 9/22/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Lab Order: 1609852

Lab ID: 1609852-001

Collection Date: 9/13/2016 11:23:00 AM

Client Sample ID: Horizontal #1

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: LGT

Chloride	60	30		mg/Kg	20	9/20/2016 3:35:01 PM	27599
----------	----	----	--	-------	----	----------------------	-------

Lab ID: 1609852-002

Collection Date: 9/13/2016 11:25:00 AM

Client Sample ID: Horizontal #2

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
----------	--------	-----	------	-------	----	---------------	----------

EPA METHOD 300.0: ANIONS

Analyst: LGT

Chloride	ND	30		mg/Kg	20	9/20/2016 4:12:15 PM	27599
----------	----	----	--	-------	----	----------------------	-------

Lab ID: 1609852-003

Collection Date: 9/13/2016 11:27:00 AM

Client Sample ID: Horizontal #3

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: LGT

Chloride	ND	30		mg/Kg	20	9/21/2016 1:35:09 PM	27611
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Lab ID: 1609852-004

Collection Date: 9/13/2016 11:30:00 AM

Client Sample ID: Horizontal #4

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: LGT

Chloride	32	30		mg/Kg	20	9/21/2016 2:12:24 PM	27611
----------	----	----	--	-------	----	----------------------	-------

Lab ID: 1609852-005

Collection Date: 9/13/2016 11:32:00 AM

Client Sample ID: Horizontal #5

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
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EPA METHOD 300.0: ANIONS

Analyst: LGT

Chloride	32	30		mg/Kg	20	9/21/2016 2:24:48 PM	27611
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Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	
	D Sample Diluted Due to Matrix	E Value above quantitation range	
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	Page 1 of 3
	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	

Analytical Report

Lab Order: 1609852

Date Reported: 9/22/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Lab Order: 1609852

Lab ID: 1609852-006
Client Sample ID: Horizontal #6

Collection Date: 9/13/2016 11:35:00 AM**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							
Chloride	140	30		mg/Kg	20	9/21/2016 2:37:13 PM	27611

Analyst: LGT

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	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

Page 2 of 3

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 1609852

22-Sep-16

Client: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Sample ID	MB-27599	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	27599	RunNo:	37349					
Prep Date:	9/20/2016	Analysis Date:	9/20/2016	SeqNo:	1160293	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-27599	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	27599	RunNo:	37349					
Prep Date:	9/20/2016	Analysis Date:	9/20/2016	SeqNo:	1160294	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	90	110			

Sample ID	MB-27611	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	27611	RunNo:	37376					
Prep Date:	9/20/2016	Analysis Date:	9/21/2016	SeqNo:	1161550	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-27611	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	27611	RunNo:	37376					
Prep Date:	9/20/2016	Analysis Date:	9/21/2016	SeqNo:	1161552	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| 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 |

Page 3 of 3



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

Sample Log-In Check List

Client Name: Yates Petroleum Corpora

Work Order Number: 1609852

RptNo: 1

Received by/date: LC 09/15/16

Logged By: Lindsay Mangin 9/15/2016 10:25:00 AM

Completed By: Lindsay Mangin 9/15/2016 2:53:01 PM

Reviewed By: aj 09/16/16

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? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
 5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ 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? Yes ☐ No ☒
 12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
 13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
 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 ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
 By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
 Regarding: _____
 Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			



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

November 30, 2016

Amber Griffin

Yates Petroleum Corporation

105 South Fourth Street

Artesia, NM 88210

TEL: (575) 748-4111

FAX

RE: Dayton Townsite Water System (Williams Water Line)

OrderNo.: 1611A17

Dear Amber Griffin:

Hall Environmental Analysis Laboratory received 4 sample(s) on 11/18/2016 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 www.hallenvironmental.com 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 qualifiers 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,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order: 1611A17

Date Reported: 11/30/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Lab Order: 1611A17

Lab ID: 1611A17-001

Collection Date: 11/15/2016 2:45:00 PM

Client Sample ID: CR-25'

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: MRA							
Chloride	190	30		mg/Kg	20	11/28/2016 1:21:12 PM	28872

Lab ID: 1611A17-002

Collection Date: 11/15/2016 2:55:00 PM

Client Sample ID: CR-30'

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: MRA							
Chloride	190	30		mg/Kg	20	11/28/2016 1:58:25 PM	28872

Lab ID: 1611A17-003

Collection Date: 11/15/2016 3:05:00 PM

Client Sample ID: CR-35'

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: MRA							
Chloride	260	30		mg/Kg	20	11/28/2016 2:35:39 PM	28872

Lab ID: 1611A17-004

Collection Date: 11/15/2016 3:18:00 PM

Client Sample ID: CR-40'

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS Analyst: MRA							
Chloride	160	30		mg/Kg	20	11/28/2016 2:48:03 PM	28872

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	
	D Sample Diluted Due to Matrix	E Value above quantitation range	
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	Page 1 of 2
	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#: 1611A17

30-Nov-16

Client: Yates Petroleum Corporation
Project: Dayton Townsite Water System (Williams Wate

Sample ID	MB-28872	SampType:	mbk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	28872	RunNo:	39009					
Prep Date:	11/28/2016	Analysis Date:	11/28/2016	SeqNo:	1220081	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-28872	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	28872	RunNo:	39009					
Prep Date:	11/28/2016	Analysis Date:	11/28/2016	SeqNo:	1220082	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| 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 |

Page 2 of 2



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

Sample Log-In Check List

Client Name: EOG/Yates

Work Order Number: 1611A17

RcptNo: 1

Received by/date:

AC

11/18/16

Logged By: Ashley Gallegos

11/18/2016 9:30:00 AM

AG

Completed By: Ashley Gallegos

11/18/2016 12:28:41 PM

AG

Reviewed By:

Re/ag

11/18/16

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? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☐ No ☒ NA ☐
Not required
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? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
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 ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date

By Whom:

Via:

☐ eMail☐ Phone☐ Fax☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	15.0	Good	Yes			

Chain-of-Custody Record

Client: EOG Y Resources, Inc.

Mailing Address:

105 South 4th Street Artesia, NM 88210

Phone #: 575-513-8799 or 575-748-4111

email or Fax#: amber_griffin@eoqresources.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Dayton Townsite Water System (Williams Water Line)

Project #:

8/9/2016 Release

Project Manager:

Amber Griffin

PO # 205-2020

Sampler:

Amber Griffin

Office:

Yes No

Sample Temperature:

15.0

Preservative Type

HEAL No

Container Type and #

10-11-A-17

1 - 4 oz.

-001

1 - 4 oz.

-002

1 - 4 oz.

-003

1 - 4 oz.

-004

Analysis Request

BTX + MTBE + TMB's (8021)	BTX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (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)
							X				
							X				
							X				
							X				

Remarks: Anions: Chloride only. PAGE 1 OF 1. Analytical results are needed by Tuesday, November 29, 2016.

Received by:

Date

Time

11/15/16

0930

Received by:

Date

Time

11/15/16

0930

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.

Dayton Townsite Water System (Williams)
Closure Report
2RP-3840
nAB1623631164



March 29, 2022

Appendix C

NMOCD Approval Email

Amber Griffin

From: Amber Griffin
Sent: Monday, December 19, 2016 7:20 AM
To: 'Bratcher, Mike, EMNRD'; Patterson, Heather, EMNRD; Weaver, Crystal, EMNRD
Subject: RE: Dayton Townsite Water System (Williams Water Line) * 2RP-3840

Mike,

We don't have a problem with using a more robust liner or a double 20 mil liner.

Thank you,
Amber

From: Bratcher, Mike, EMNRD [<mailto:mike.bratcher@state.nm.us>]
Sent: Thursday, December 15, 2016 2:51 PM
To: Amber Griffin; Patterson, Heather, EMNRD; Weaver, Crystal, EMNRD
Subject: RE: Dayton Townsite Water System (Williams Water Line) * 2RP-3840

**** External email. Use caution.****

RE: EOG (Yates Pet per C-141) * Dayton Townsite Water System * 2RP-3840 * DOR: Discovered 8/9/16

Amber,

Your proposal for remediation of the above referenced release is approved. OCD would prefer a more robust liner be utilized, or possibly consider a double 20 mil liner, due to the elevated chloride column being left in place, and the potential existence of relatively shallow groundwater at the site. Please advise once remedial activities have been scheduled.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me. Also, going forward, please copy Crystal Weaver on all correspondence.

Thank you,

Mike Bratcher
NMOCD District 2
811 S. First St.
Artesia NM 88210
575-748-1283 Ext 108
mike.bratcher@state.nm.us

From: Amber Griffin [mailto:Amber_Griffin@eogresources.com]
Sent: Friday, December 9, 2016 8:36 AM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Patterson, Heather, EMNRD

<Heather.Patterson@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>

Subject: Dayton Townsite Water System (Williams Water Line) * 2RP-3840

Mike/Heather/Crystal,

Attached is a work plan for the release that occurred on the Dayton Townsite Water System (Williams Water Line), 2RP-3840

Should there be any questions, please let me know.

Thank you,

Amber Griffin

Environmental Representative
EOG Resources – Artesia Division
105 S. 4th Street
Artesia, NM 88210
575-748-4111 (Office)
575-513-8799 (Cell)



Dayton Townsite Water System (Williams)
Closure Report
2RP-3840
nAB1623631164



March 29, 2022

Appendix D

Original C-141 Initial

NM OIL CONSERVATION
ARTESIA DISTRICT

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

AUG 19 2016

Form C-141
Revised August 8, 2011

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

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

RECEIVED

FAB1623629683

Release Notification and Corrective Action

FAB162363164

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Yates Petroleum Corporation	25575	Contact Amber Griffin
Address 105 S. 4 th Street Artesia, NM 88210		Telephone No. 575-748-1471
Facility Name Dayton Townsite Water System (Williams Water Line)		Facility Type PVC Flow Line

Surface Owner Donald Fanning and Sons	Mineral Owner	API No.
--	---------------	---------

LOCATION OF RELEASE

Unit Letter	Section 25	Township 18S	Range 26E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
-------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude 32.72062 Longitude 104.34295

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release Unknown B/PW	Volume Recovered 1 B/PW
Source of Release PVC Flow Line	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 8/9/2016; PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour: N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.* N/A

Describe Cause of Problem and Remedial Action Taken.*

There was a leak on a 4" PVC flow line. Wells in the area were shut in and the line was isolated. A crew was called to put a fence around the release area. The line has been taken out of service.

Describe Area Affected and Cleanup Action Taken.

The affected area is approximately 0.3554 acres in the pasture. The area was scraped to remove visibly impacted soils and the soils were taken to a NMOC approved disposal facility. Vertical and horizontal delineation samples have been taken from the release area and analysis will be run for TPH, BTEX, and Chlorides. If initial analytical results are under RRAL's (site ranking is 20) a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL's a work plan will be submitted to the OCD. Depth to Ground Water: <50' (approximately 35', per 24-18S-26E, NMOCSE), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 20.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, NMOC 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: <i>Amber Griffin</i>	OIL CONSERVATION DIVISION	
Printed Name: Amber Griffin	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Environmental Representative	Approval Date: 8/23/16	Expiration Date: N/A
E-mail Address: agriffin@yatespetroleum.com	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines <input type="checkbox"/> SUBMIT REMEDIATION PROPOSAL NO	
Date: August 19, 2016	Phone: 575-748-4111	

* Attach Additional Sheets If Necessary

LATER THAN: 9/23/16

2RP. 3840

Dayton Townsite Water System (Williams)
Closure Report
2RP-3840
nAB1623631164



March 29, 2022

Appendix E

Original C-141 Final

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

Form C-141
Revised August 8, 2011

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 EOG Y Resources, Inc.	Contact Amber Griffin
Address 105 S. 4 th Street Artesia, NM 88210	Telephone No. 575-748-1471
Facility Name Dayton Townsite Water System (Williams Water Line)	Facility Type PVC Flow Line

Surface Owner Donald Fanning and Sons	Mineral Owner	API No.
--	---------------	---------

LOCATION OF RELEASE

Unit Letter	Section 25	Township 18S	Range 26E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
-------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude 32.72062 Longitude 104.34295

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release Unknown B/PW	Volume Recovered 1 B/PW
Source of Release PVC Flow Line	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 8/9/2016; PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour: N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.* N/A

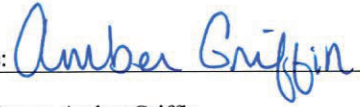
Describe Cause of Problem and Remedial Action Taken.*

There was a leak on a 4" PVC flow line. Wells in the area were shut in and the line was isolated. A crew was called to put a fence around the release area. The line has been taken out of service.

Describe Area Affected and Cleanup Action Taken.

The affected area is approximately 0.3554 acres in the pasture. The area was scraped to remove visibly impacted soils and the soils were taken to a NMOCD approved disposal facility. Vertical and horizontal delineation samples have been taken from the release area and analysis will be run for TPH, BTEX, and Chlorides. If initial analytical results are under RRAL's (site ranking is 20) a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL's a work plan will be submitted to the OCD. **Depth to Ground Water: <50' (approximately 35', per 24-18S-26E, NMOSE), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 20. EOG Y requests closure as all work has been completed as per previously NMOCD approved work plan.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Amber Griffin	Approved by Environmental Specialist:	
Title: Rep Safety & Environmental II	Approval Date:	Expiration Date:
E-mail Address: amber_griffin@eogresources.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: April 3, 2017 Phone: 575-748-4111	2RP-3840	

* Attach Additional Sheets If Necessary

Emailed: NMOCD
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Production

Dayton Townsite Water System (Williams)
Closure Report
2RP-3840
nAB1623631164

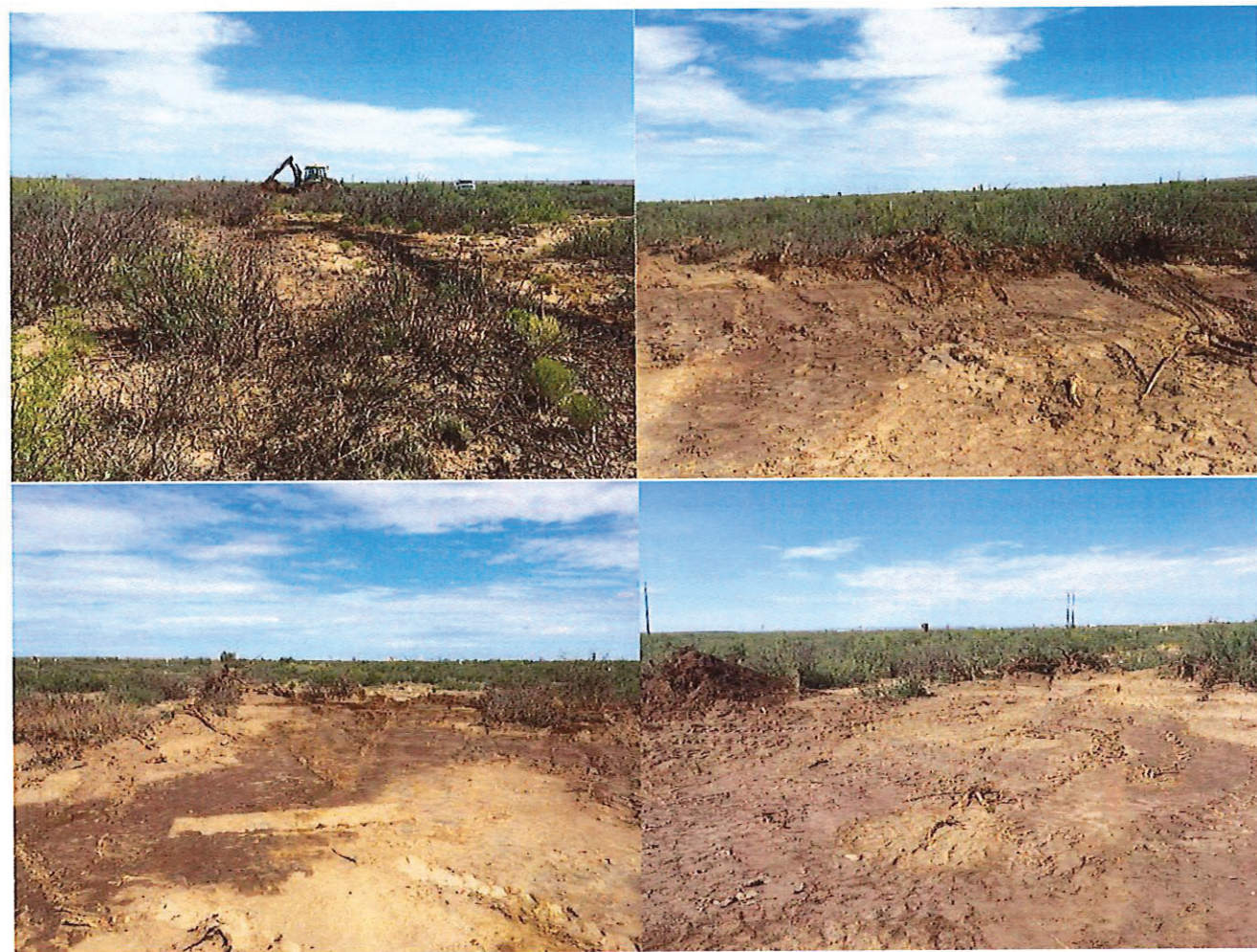


March 29, 2022

Photos

2017 Pictures

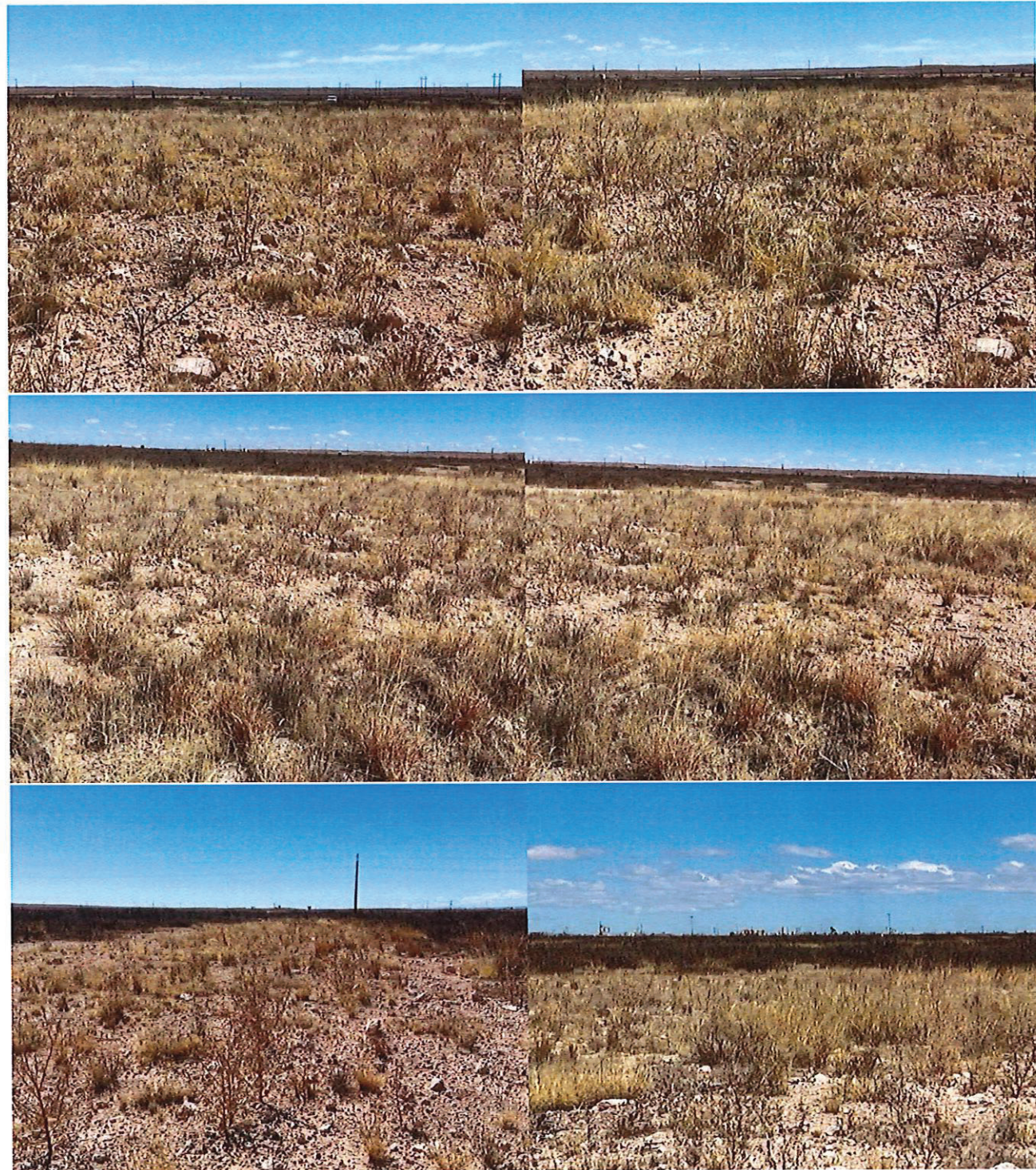




2022 Pictures









District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 94092

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 94092
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	11/2/2022