



**EOG Resources, Inc.**  
Artesia Division Office  
104 S. 4<sup>th</sup> Street  
Artesia, N. M. 88210

September 27, 2022

Bradford Billings  
EMNRD  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Re: Dayton FP Battery  
30-015-21738  
21-18S-26E  
Eddy County, NM  
Incident #nJMW1317739925

EOG Resources, Inc. is submitting the enclosed Closure Report for the above referenced site. The report is being submitted in reference to the C-141 initial submitted on June 20, 2013. EOG Resources, Inc. has included a C-141 Closure in the most current form in this Closure Report, and hereby requests closure.

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 FP Battery  
Closure Report  
#nJMW1317739925



September 27, 2022

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**Dayton FP Battery**

**Closure Report**

**30-015-21738**

**21-18S-26E**

**Eddy County, NM**

**September 27, 2022**

**nJMW1317739925**

Dayton FP Battery  
Closure Report  
#nJMW1317739925



September 27, 2022

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**Table of Contents**

I.	Location.....	1
II.	Background.....	1
III.	Prior Scope of Work Completed.....	1-2
IV.	Current Scope of Work Completed.....	2
V.	Closure Request.....	2

**Site Map**

**Site Photos**

**Appendices:**

Appendix A: Form C-141, Current & Historical

Appendix B: September 9, 2013 Remediation Plan

Appendix C: April 16, 2014 Remediation Plan

Appendix D: Remediation Plan Email and Read Receipt

Appendix E: NMOCD Correspondence & Internal Notes

Appendix F: Vertex Documentation

Appendix G: Disposal Manifest Summaries

Dayton FP Battery  
Closure Report  
#nJMW1317739925



September 27, 2022

## **I. Location**

The release is located approximately 2.6 miles south of Atoka in Eddy County, New Mexico.

## **II. Background**

On June 20, 2013, Yates Petroleum Company (YPC) submitted to the NMOCD District II a Form C-141 for the release of 20 B/PW with 0 B/PW recovered. The total affected area was approximately 120 feet by 60 feet north of the produced water line and 141 feet by 9 feet east following the produced water line. The release was from failure of a six (6) inch produced water pvc transfer line. Initial delineation samples were collected and sent to a NMOCD approved laboratory. Based on the results of those sampling activities, a remediation plan was developed and submitted to NMOCD in person on September 10, 2013, evidenced by the Received Stamp on the attached copy, Appendix A. This plan was denied with further delineation of chloride required prior to resubmission of an additional remediation plan. Email correspondence in regard to the denial can be found Appendix D.

Further delineation sampling was conducting using a core rig on January 15, 2014 and sent to a NMOCD approved laboratory. Results of this sampling event indicated that full vertical delineation of chlorides had been completed. On March 27, 2014, an in-person meeting was held with Mike Bratcher at the NMOCD District II Office to discuss the path forward for the site. Notes from that meeting were used to develop a remediation plan.

On April 22, 2014, the completed remediation plan (Appendix B) was submitted in person to Mike Bratcher (NMOCD District II), evidenced by the Received Stamp, during a meeting to discuss the 3 remediation plan submittals. At this meeting, verbal approval of the Remediation Plan was provided by NMOCD, as the concerns discussed at the March 27<sup>th</sup> meeting had been addressed with the remediation plan.

On May 5, 2014, a follow up email was sent to NMOCD District II discussing the 3 remediation plans that had previously been discussed in-person, all of which Mike Bratcher had provided verbal approval of the plans for the remediation activities to commence during the in person meeting on April 22, 2014. That email and the read receipt are included in this report as Appendix C.

On June 20, 2014, the bids from the contractors were received for the remediation of the release site. However, shortly after awarding the bid, a decision was made by YPC management to delay the work in that area until the time of pipeline infrastructure upgrades. This was to include replacing the current PVC piping with poly pipe. This project was further delayed by the drastic economic downturn that affected the oil and gas industry in the following months, halting many activities in the area.

## **III. Prior Scope of Work Completed**

In August 2015, the YPC Production Department began replacing the PVC lines within the release area with poly pipeline. During these activities, the remediation portion around the pipelines was conducted and completed by a contractor under the supervision of the YPC Production Department. This was to include excavating and disposing of the impacted soils, installation of a 20-ml synthetic liner below the new poly pipelines, and backfilling the portion with clean soil. Photo documentation of this liner installation is included in this portion of the remediation.

On October 4, 2016, remediation activities were started on the remaining portion of the release area. This consisted of excavating four (4) feet of impacted soils within the release area, those soils were then hauled to R360 Environmental Solutions for disposal, manifest tickets are included as Appendix G. Then a 20-ml synthetic liner was installed with six (6) inch sand

energy opportunity growth



Dayton FP Battery  
Closure Report  
#nJMW1317739925



September 27, 2022

cushions below and above, followed by eighteen (18) inches of caliche and eighteen (18) inches of topsoil to complete the backfill of the excavated area. The current liner was attached to the liner that was previously installed, creating a continuous lined area.

#### **IV. Current Scope of Work Completed**

After a denial of the original Closure Report by NMOCD on October 6, 2021, a site visit was conducted to get new photos of the remediation area. During this site visit, it became evident that the portion of the release addressed during 2015 had been improperly lined. The 20-ml liner had surfaced on both the north and south sides of the pipeline Right of Way, indicating that the liner had not only been installed underneath the poly pipelines, but also up the sidewalls. Pictures of this are included in the Site Photos section.

Based on the need to correct the liner installation in this portion of the remediation area, EOG retained Vertex Resource Services Inc. (Vertex) to supervise the liner repairs and properly complete the remediation of this section of the release area.

Vertex began investigating the site in December 2021, with the preparations for excavation and dirt moving operations commencing in February 2022. From February 11 through February 24, 2022, Vertex supervised the excavation of soils above the previously installed liner. During these activities, it was determined that the best course of action would be to install a new 20-ml liner due to the damage being incurred by the previously installed liner during the repair activities. Soils excavated from above the previously installed liner were sent to a NMOCD disposal facility. Due to the lack of vegetation in the area and based on the initial field screen results, it was determined that sending the excavated soils to disposal would be the most sound approach to accomplishing full remediation at the site. As an additional remediation step due to the lack of revegetation in the area, Vertex guided the excavation beyond the boundaries of the original work plan using field screening of chlorides to determine where the new liner installation should occur based on the sidewall results. Since sidewall sampling was not required by the approved Remediation Plan from 2014, only minimal samples were sent for laboratory confirmation, and these were completed at the conclusion of the excavation to ensure the accuracy of the field screening methods. As the lines were exposed moving toward the west, the portion of the site completed in 2016 was found and the liners were overlapped to create a solid lined area. Documentation of these activities is included in Appendix F.

#### **V. Closure Request**

Based on the verbal approval of the Remediation Plan provided by NMOCD in 2014, correspondence and notes confirming this approval, and documentation of the scope of work completed at the site, EOG believes enough evidence is provided to substantiate that remedial activities were completed correctly for the time in which the release occurred. This release and initial remediation activities occurred prior to the passage of the current rule for addressing releases, New Mexico Administrative Code (NMAC) 19.15.29 and therefore the site remediation has to be analyzed by the methods and standards relevant for that period of time. Due to the completion of the approved Remediation Plan and current repairs completed of the liner installation, EOG Resources Inc. requests closure of nJMW1317739925, the current C-141 Closure Form is included with this Closure Report as Appendix E.

Dayton FP Battery  
Closure Report  
#nJMW1317739925

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September 27, 2022

# Site Map



Dayton FP Battery  
Closure Report  
#nJMW1317739925



September 27, 2022

### Dayton FP Waterline



Dayton FP Battery  
Closure Report  
#nJMW1317739925



September 27, 2022

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# Site Photos



Dayton FP Battery  
Closure Report  
#nJMW1317739925



September 27, 2022



Above- 2015 photos of pipeline replacement with excavation and installation of liner.

Below- 2021 photos of remediation area completed in 2015.





Dayton FP Battery  
Closure Report  
#nJMW1317739925



September 27, 2022

Below- 2021 photos of remediation area completed in 2016 showing revegetation.





## Site Photos

## Viewing Direction: North



Hydrovac Line Locating  
All 4 Lines Located, Lines Appear To Be 4'  
Below Surface.

## Viewing Direction: North



Hydrovac Line Locating

## Viewing Direction: North



Hydrovac Line Locating

## Viewing Direction: North



Hydrovac Line Locating





## Site Photos

Viewing Direction: West



Beginning Excavation

Viewing Direction: North



Found Liner Edge, Working West

Viewing Direction: Northwest



Shovel Work Around Pipelines

Viewing Direction: Northwest



Shovel Work Around Pipelines





# Site Photos

Viewing Direction: Southwest



Current Excavation

Viewing Direction: Southeast



Current Excavation

Viewing Direction: South



North Portion Liner

Viewing Direction: Southeast



North Portion Liner Found



# Site Photos

Viewing Direction: Southeast



Liner Replacement

Viewing Direction: East



Backfill

Viewing Direction: East



Backfill

Viewing Direction: West



Backfill

Dayton FP Battery  
Closure Report  
#nJMW1317739925



September 27, 2022

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# Appendix A

## Form C-141, Current & Historical

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

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

Incident ID	nJMW1317739925
District RP	2RP-1691
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) nJMW1317739925
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

### Location of Release Source

Latitude 32.73417 Longitude -104.38141  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Dayton FP Battery	Site Type Pipeline
Date Release Discovered 06/18/2013	API# (if applicable) 30-015-21738

Unit Letter	Section	Township	Range	County
G	21	18S	26E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: \_\_\_\_\_)

### 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) 20	Volume Recovered (bbls) 10
	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 original C-141 for details of 2RP-1691.

Incident ID	nJMW1317739925
District RP	2RP-1691
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: <u>Chase Settle</u>	Title: <u>Rep Safety &amp; Environmental Sr</u>
Signature: <u>Chase Settle</u>	Date: <u>09/27/2022</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____	



Incident ID	nJMW1317739925
District RP	2RP-1691
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: 09/27/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: Jocelyn Harimon Date: 09/28/2022

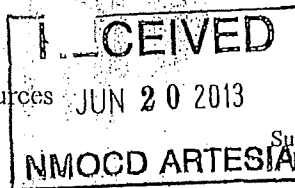
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance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

Closure Approved by: Brittany Hall Date: 2/13/2023  
Printed Name: Brittany Hall Title: Environmental Specialist

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

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



Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

### Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Lupe Carrasco
Address 104 S. 4 <sup>TH</sup> Street	API Number 30-015-21738	Telephone No. 575-748-1471
Facility Name Dayton FP Battery	Facility Type Battery	
Surface Owner Fee	Mineral Owner	Lease No.

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	21	18S	26E					Eddy

Latitude 32.73417 Longitude 104.38341

### NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 20 B/PW	Volume Recovered 10 B/PW
Source of Release Water Line	Date and Hour of Occurrence 6/18/2013 AM	Date and Hour of Discovery 6/18/2013 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Release was caused by a break in a 6 inch water line due to age of line. Line was shut in and a vacuum truck was dispatched to recover standing fluid. Crews were called in to repair the line.		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 20' X 30'. Impacted soils to be scraped up and taken to an NMOC D approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX, Chlorides will be run for documentation. If initial analytical results for TPH & BTEX are under RRAL's 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. Depth to Ground Water: >100' (approximately 140', Section 21-T18S-R26E, per NMOCSE), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0.		

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC D 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 D 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 D acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Lupe Carrasco	Approved by District Supervisor:	Signed By:
Title: Environmental Regulatory Agent	Approval Date: JUN 26 2013	Expiration Date:
E-mail Address: lcarrasco@yatespetroleum.com	Conditions of Approval: Remediation per OCD Rule & Guidelines. SUBMIT REMEDIATION PROPOSAL NO LATER THAN: July 26, 2013	Attached <input type="checkbox"/>
Date: Thursday, June 20, 2013	Phone: 575-748-1471	2RP-1691

Attach Additional Sheets If Necessary

Page 20 of 120  
Received by: OGD: 9/28/2022 1:51:54 PM  
Released to Imaging: 2/13/2023 1:01:30 PM

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
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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 Resources	Contact Chase Settle	
Address 104 S. 4 <sup>th</sup> Street, Artesia, NM 88210	Telephone No. 575-748-4171	
Facility Name Dayton FP Battery	Facility Type Pipeline	
Surface Owner Fee	Mineral Owner	API No. 30-015-21738

LOCATION OF RELEASE

Unit Letter	Section 21	Township 18S	Range 26E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude 32.73417 Longitude -104.38341

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 20 B/PW	Volume Recovered 10 B/PW
Source of Release Produced Water Transfer Line	Date and Hour of Occurrence 6/18/13 6/18/2013 AM	Date and Hour of Discovery 6/18/2013 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? 6/18/13	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	


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

Describe Cause of Problem and Remedial Action Taken.\*

Release was caused by a break in a 6 inch water line due to age of line. Line was shut in and a vacuum truck was dispatched to recover standing fluid. Crews were called in to repair the line.

Describe Area Affected and Cleanup Action Taken.\* An approximate area of 20' X 30'. Impacted soils to be scraped up and taken to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 0) 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: >100' (approximately 140', Section 21, T18S-R26E, per NMOSE), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. Based on completion of the NMOCD approved (4/22/2014) work plan, EOG Resources requests closure.

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

Signature 	OIL CONSERVATION DIVISION		
Printed Name: Chase Settle	Approved by Environmental Specialist:		
Title: NM Adv. Environmental Representative	Approval Date:	Expiration Date:	
E-mail Address: Chase.Settle@eogresources.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: October 26, 2016	Phone: 575-748-4171		



Dayton FP Battery  
Closure Report  
#nJMW1317739925



September 27, 2022

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# Appendix B

## September 9, 2013 Remediation Plan

MARTIN YATES, III  
1912-1985

FRANK W. YATES  
1936-1986

S.P. YATES  
1914-2008



105 SOUTH FOURTH STREET  
ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

www.yatespetroleum.com

JOHN A. YATES  
CHAIRMAN EMERITUS

JOHN A. YATES JR.  
CHAIRMAN OF THE BOARD  
PRESIDENT

JOHN D. PERINI  
EXECUTIVE VICE PRESIDENT  
CHIEF FINANCIAL OFFICER

JAMES S. BROWN  
CHIEF OPERATING OFFICER

September 9, 2013

Mike Bratcher  
Oil Conservation Division  
811 S. First St.  
Artesia, NM 88210

RE: Dayton FP Battery (Water Line)  
30-015-21738  
Section 21, T18S-R26E  
Eddy County, New Mexico



Dear Mr. Bratcher,

Yates Petroleum Corporation would like to submit the enclosed documents for your consideration of the work to be performed at the above captioned water line. These documents are submitted in response to the C-141 submitted on June 20, 2013.

The impacted area measuring approximately 20' X 30' has been scraped down to approximately 6". The area has been sampled down to 15' with the use of a Trachoe. At a depth of 11', a hard caliche layer was reached and at 15' it turned extremely hard preventing any further sampling. Due to the soil composition in this area, YPC is proposing to excavate 2.5' of the impacted area for a total depth of 3' and then backfill using a capillary barrier to prevent any further mitigation of chlorides. With the impacted area on a small down gradient, the lack of head pressure from any significant rain event would help the beneficial barrier in preventing any further movement of chlorides. As for the area impacted over the gas and produced water pipelines, YPC would request that a cap of caliche be used to backfill this area with no further excavating due to the area being used as an access to the two existing tin horns and the battery. This would further reduce the safety risks associated with excavation around gas lines and promote a natural barrier. The enclosed documents include a Site Diagram, Results Summary Table, and Analytical Results. All excavated material to be hauled for disposal at an NMOCD approved facility.

If there are no objections to the proposed work, YPC will commence the excavation and backfill of the impacted area. Once the work has been completed, a C-141 Final will be submitted for closure of the site.

Thanks,

Lupe Carrasco  
Environmental Regulatory Agent

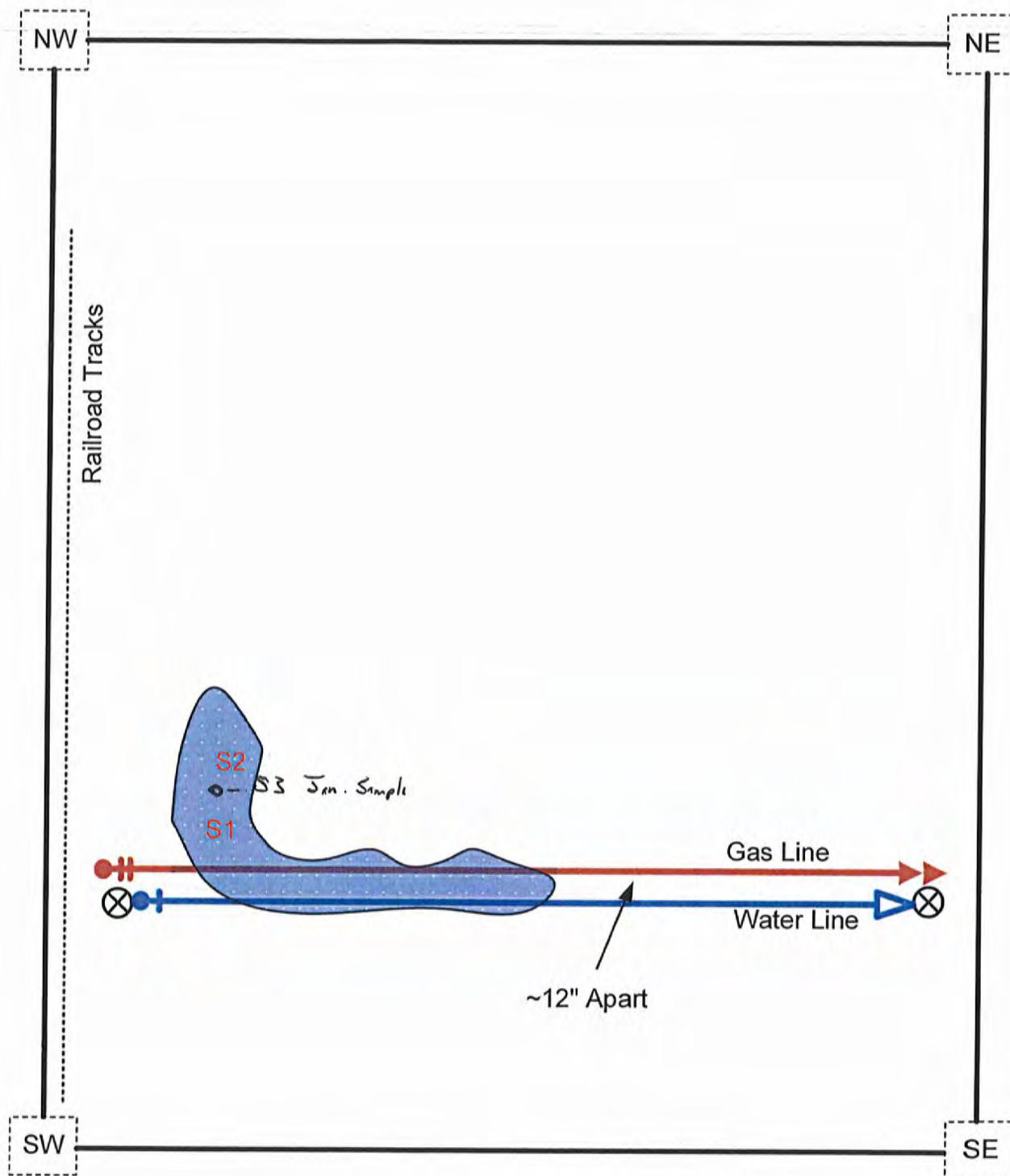
KATHY H. PORTER  
SECRETARY

DENNIS G. KINSEY  
TREASURER

# YATES PETROLEUM CORPORATION

Tuesday, June 25, 2013

Dayton FP Battery (Water Line Release)



## Dayton FP Battery

Analytical Report- H301489	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
S1-1'	6/25/2013	1'	.085	ND	ND		14800
S1-3'	6/25/2013	3'	0.107	ND	ND		11400
S1-5'	6/25/2013	5'	0.066	ND	ND		14800
S1-7'	7/9/2013	7'	ND	ND	ND		9200
S1-9'	7/9/2013	9'	ND	ND	ND		6530
S1-11'	7/9/2013	11'	ND	ND	ND		12300
S1-13'	8/13/2013	13'					6560
S1-15'	8/13/2013	15'					5040
S2-1'	6/25/2013	1'	0.098	ND	ND		14200
S2-3'	6/25/2013	3'	0.063	ND	ND		15800
S2-5'	6/25/2013	5'	.052	ND	ND		14000
S2-7'	7/9/2013	7'	ND	ND	ND		10500
S2-9'	7/9/2013	9'	ND	ND	ND		8800
S2-11'	7/9/2013	11'	ND	ND	ND		4240
S2-13'	8/13/2013	13'					5120
S2-15'	8/13/2013	15'					4800

Site Ranking is Zero (0). Depth to Ground Water >100' (140', Section 21, T18S-R26E per NMOSE).

All results are ppm.Chlorides for documentation.

Released: 20 B/PW; Recovered: 10 B/PW. Release Date: 6/18/13





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

July 02, 2013

LUPE CARRASCO

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: DAYTON FP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/26/13 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
 LUPE CARRASCO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received: 06/26/2013  
 Reported: 07/02/2013  
 Project Name: DAYTON FP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 06/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S1-1' (H301489-01)**

BTEX 8260B			mg/kg							Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	07/02/2013	ND	2.07	103	2.00	8.04			
Toluene*	<b>0.085</b>	0.050	07/02/2013	ND	1.80	89.9	2.00	9.41			
Ethylbenzene*	<0.050	0.050	07/02/2013	ND	1.77	88.6	2.00	9.25			
Total Xylenes*	<0.150	0.150	07/02/2013	ND	5.37	89.5	6.00	8.49			

Surrogate: Dibromofluoromethane 103 % 61.3-142

Surrogate: Toluene-d8 98.6 % 71.3-129

Surrogate: 4-Bromofluorobenzene 107 % 65.7-141

Chloride, SM4500Cl-B			mg/kg							Analyzed By: DW	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	<b>14800</b>	16.0	06/28/2013	ND	432	108	400	3.77			

TPH 8015M			mg/kg							Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	06/27/2013	ND	212	106	200	0.466			
DRO >C10-C28	<10.0	10.0	06/27/2013	ND	212	106	200	1.45			

Surrogate: 1-Chlorooctane 82.3 % 65.2-140

Surrogate: 1-Chloroodecane 82.3 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
 LUPE CARRASCO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received: 06/26/2013  
 Reported: 07/02/2013  
 Project Name: DAYTON FP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 06/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S1-3' (H301489-02)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2013	ND	2.07	103	2.00	8.04	
Toluene*	<b>0.107</b>	0.050	07/02/2013	ND	1.80	89.9	2.00	9.41	
Ethylbenzene*	<0.050	0.050	07/02/2013	ND	1.77	88.6	2.00	9.25	
Total Xylenes*	<0.150	0.150	07/02/2013	ND	5.37	89.5	6.00	8.49	

Surrogate: Dibromofluoromethane 100 % 61.3-142

Surrogate: Toluene-d8 100 % 71.3-129

Surrogate: 4-Bromofluorobenzene 108 % 65.7-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>11400</b>	16.0	06/28/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2013	ND	212	106	200	0.466	
DRO >C10-C28	<10.0	10.0	06/27/2013	ND	212	106	200	1.45	

Surrogate: 1-Chlorooctane 90.8 % 63.2-140

Surrogate: 1-Chlorooctadecane 92.9 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received:	06/26/2013	Sampling Date:	06/25/2013
Reported:	07/02/2013	Sampling Type:	Soil
Project Name:	DAYTON FP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S1-5' (H301489-03)**

BTX 8260B			mg/kg							Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	07/02/2013	ND	2.07	103	2.00	8.04			
Toluene*	0.066	0.050	07/02/2013	ND	1.80	89.9	2.00	9.41			
Ethylbenzene*	<0.050	0.050	07/02/2013	ND	1.77	88.6	2.00	9.25			
Total Xylenes*	<0.150	0.150	07/02/2013	ND	5.37	89.5	6.00	8.49			

Surrogate: Dibromofluoromethane 101 % 61.3-142

Surrogate: Toluene-d8 99.3 % 71.3-129

Surrogate: 4-Bromofluorobenzene 107 % 65.7-141

Chloride, SM4500CI-B			mg/kg							Analyzed By: DW	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	14800	16.0	06/28/2013	ND	432	108	400	3.77			

TPH 8015M			mg/kg							Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	06/27/2013	ND	212	106	200	0.466			
DRO >C10-C28	16.0	10.0	06/27/2013	ND	212	106	200	1.45			

Surrogate: 1-Chlorooctane 97.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.2 % 63.6-154

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\*=Accredited Analyte

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*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received:	06/26/2013	Sampling Date:	06/25/2013
Reported:	07/02/2013	Sampling Type:	Soil
Project Name:	DAYTON FP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S2-1' (H301489-04)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2013	ND	2.07	103	2.00	8.04	
Toluene*	0.098	0.050	07/02/2013	ND	1.80	89.9	2.00	9.41	
Ethylbenzene*	<0.050	0.050	07/02/2013	ND	1.77	88.6	2.00	9.25	
Total Xylenes*	<0.150	0.150	07/02/2013	ND	5.37	89.5	6.00	8.49	

Surrogate: Dibromofluoromethane 101 % 61.3-142

Surrogate: Toluene-d8 99.1 % 71.3-129

Surrogate: 4-Bromofluorobenzene 107 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14200	16.0	06/28/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2013	ND	212	106	200	0.466	
DRO >C10-C28	<10.0	10.0	06/27/2013	ND	212	106	200	1.45	

Surrogate: 1-Chlorooctane 84.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.3 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received:	06/26/2013	Sampling Date:	06/25/2013
Reported:	07/02/2013	Sampling Type:	Soil
Project Name:	DAYTON FP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S2-3' (H301489-05)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2013	ND	2.07	103	2.00	8.04	
Toluene*	0.063	0.050	07/02/2013	ND	1.80	89.9	2.00	9.41	
Ethylbenzene*	<0.050	0.050	07/02/2013	ND	1.77	88.6	2.00	9.25	
Total Xylenes*	<0.150	0.150	07/02/2013	ND	5.37	89.5	6.00	8.49	

Surrogate: Dibromofluoromethane 101 % 61.3-142

Surrogate: Toluene-d8 98.7 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15800	16.0	06/28/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2013	ND	212	106	200	0.466	
DRO >C10-C28	<10.0	10.0	06/27/2013	ND	212	106	200	1.45	

Surrogate: 1-Chlorooctane 93.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.8 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

YATES PETROLEUM CORPORATION  
 LUPE CARRASCO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received: 06/26/2013  
 Reported: 07/02/2013  
 Project Name: DAYTON FP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 06/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S2-5' (H301489-06)**

BTEX 8260B			mg/kg							Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	07/02/2013	ND	2.07	103	2.00	8.04			
Toluene*	0.052	0.050	07/02/2013	ND	1.80	89.9	2.00	9.41			
Ethylbenzene*	<0.050	0.050	07/02/2013	ND	1.77	88.6	2.00	9.25			
Total Xylenes*	<0.150	0.150	07/02/2013	ND	5.37	89.5	6.00	8.49			

Surrogate: Dibromofluoromethane 101 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 107 % 65.7-141

Chloride, SM4500Cl-B			mg/kg							Analyzed By: DW	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	14000	16.0	06/28/2013	ND	432	108	400	3.77			

TPH 8015M			mg/kg							Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	06/27/2013	ND	212	106	200	0.466			
DRO >C10-C28	<10.0	10.0	06/27/2013	ND	212	106	200	1.45			

Surrogate: 1-Chlorooctane 96.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.3 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES  
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Lupe Carrasco

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4350

Sampler Signature: [Signature]

Fax No: \_\_\_\_\_  
e-mail: \_\_\_\_\_

lcarrasco@yatespetroleum.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO #: 103-163

Project Name: Dayton FIP Battery

Project #:

Project Loc:

ORDER #: H301489

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO <sub>3</sub>	HCl	H <sub>2</sub> SO <sub>4</sub>	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None	Other (Specify)	DW=Drinking Water SL=Sludge GW=Groundwater S=Sol/Solid NP=Non-Potable: Specify Other	TPH: 418.1 8015M 8015	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO <sub>4</sub> , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	S1-1'			6/25/2013																											
2	S1-3'			6/25/2013																											
3	S1-5'			6/25/2013																											
4	S2-1'			6/25/2013																											
5	S2-3'			6/25/2013																											
6	S2-5'			6/25/2013																											

Special Instructions:

Relinquished by: [Signature]

Relinquished by: [Signature]

Relinquished by: \_\_\_\_\_

Date

Time

Received by: [Signature]

Date

Time

Date

Time

Received by: [Signature]

Date

Time

Date

Time

Received by: [Signature]

Date

Time

Laboratory Comments:

Sample Containers in Accordance with:

VOCs Free of Headspace?

Headspace Containers (Seals on container(s))

Custody seals on container(s)

Sample Hand Delivered by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 4 °C





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

July 11, 2013

LUPE CARRASCO

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: DAYTON FP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/10/13 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Page 35 of 120  
Received by OCD: 9/28/2022 1:50:54 PM  
Released to Imaging: 2/13/2023 1:01:30 PM



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**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 07/10/2013  
Reported: 07/11/2013  
Project Name: DAYTON FP BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 07/09/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Daniel Wade

**Sample ID: S1-7' (H301606-01)**

Chloride, SM4500CI-B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	9200	16.0	07/11/2013	ND	432	108	400	7.69			

**Sample ID: S1-9' (H301606-02)**

Chloride, SM4500CI-B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	6530	16.0	07/11/2013	ND	432	108	400	7.69			

**Sample ID: S1-11' (H301606-03)**

Chloride, SM4500CI-B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	12300	16.0	07/11/2013	ND	400	100	400	3.92			

**Sample ID: S2-7' (H301606-04)**

Chloride, SM4500CI-B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	10500	16.0	07/11/2013	ND	400	100	400	3.92			

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 07/10/2013  
Reported: 07/11/2013  
Project Name: DAYTON FP BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 07/09/2013  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Daniel Wade

**Sample ID: S2-9' (H301606-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	07/11/2013	ND	400	100	400	3.92	

**Sample ID: S2-11' (H301606-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	07/11/2013	ND	400	100	400	3.92	

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

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

Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES  
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Lupe Carrasco

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4350

Sampler Signature: Lupe Carrasco

Fax No: \_\_\_\_\_  
e-mail: lcarrasco@yatespetroleum.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO #: 103-163

Project Name: \_\_\_\_\_

Project #:

Project Loc: \_\_\_\_\_

(lab use only)

ORDER #: H301606

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO<sub>3</sub>

HCl

H<sub>2</sub>SO<sub>4</sub>

NaOH

Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: 418.1 8015M 8015

TPH: TX 1005 TX 1006

Cations (Ca, Mg, Na, K)

Anions (Cl, SO<sub>4</sub>, Alkalinity)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

BTEX 8021B/5030 or BTEX 8260

RCI

N.O.R.M.

Chlorides

SAR

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Preservation & # of Containers

Matrix

Analyze For:

TCLP:

TOTAL:

Special Instructions:

Relinquished by:

Relinquished by:

Relinquished by:

Date

Date

Date

Time

Time

Time

Received by:

Received by:

Received by:

Date

Date

Date

Time

Time

Time

Laboratory Comments:

VOCs: Free of Headspace?

Labels on container(s)

Custody seals on container(s)

Sample Hand Delivered

by Courier? UPS DHL FedEx

Temperature Upon Receipt:



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

August 15, 2013

LUPE CARRASCO

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: DAYTON FP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/14/13 10:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



Page 40 of 120

Received by OCD: 9/28/2022 1:50:54 PM

Released to Imaging: 2/13/2023 1:01:30 PM



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received:	08/14/2013	Sampling Date:	08/13/2013
Reported:	08/15/2013	Sampling Type:	Soil
Project Name:	DAYTON FP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S1-13' (H301928-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	08/15/2013	ND	400	100	400	0.00	

**Sample ID: S1-15' (H301928-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	08/15/2013	ND	400	100	400	0.00	

**Sample ID: S2-13' (H301928-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	08/15/2013	ND	400	100	400	0.00	

**Sample ID: S2-15' (H301928-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	08/15/2013	ND	400	100	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager






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Notes and Definitions

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

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

  
\_\_\_\_\_  
Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES  
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Lupe Carrasco

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4350

Sampler Signature: [Signature]

e-mail: carrasco@yatespetroleum.com

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO #: 103-163

Project Name: Dayton, FP Battery

Project #:

Project Loc:

ORDER #: H3D1928

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO<sub>3</sub>

HCl

H<sub>2</sub>SO<sub>4</sub>

NaOH

Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: 418.1 8015M 8015

TPH: TX 1005 TX 1006

Cations (Ca, Mg, Na, K)

Anions (Cl, SO<sub>4</sub>, Alkalinity)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

BTEX 8021B/5030 or BTEX 8260

RCI

N.O.R.M.

Chlorides

SAR

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Preservation & # of Containers

Matrix

TCLP: TOTAL

Analyze For:

Special Instructions:

Relinquished by:

Relinquished by:

Relinquished by:

Date

Date

Date

Time

Time

Time

Received by:

Received by:

Received by:

Date

Date

Date

Time

Time

Time

Laboratory Comments:

Sample Containers in Use?

VOCS Free of Headspace?

Custody seals on container(s)

Custody seals on cooler(s)

Sample Hand Delivered

by Sampler/Client Rep?

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt

Dayton FP Battery  
Closure Report  
#nJMW1317739925



September 27, 2022

---

# Appendix C

## April 22, 2014 Remediation Plan



MARTIN YATES, III  
1912-1985  
FRANK W. YATES  
1936-1986  
S.P. YATES  
1914-2000



105 SOUTH FOURTH STREET  
ARTESIA, NEW MEXICO 88210-2118  
TELEPHONE (575) 748-1471

JOHN A. YATES  
CHAIRMAN OF THE BOARD  
JOHN A. YATES JR.  
PRESIDENT  
JOHN D. PERINI  
EXECUTIVE VP. OF MONETIZATION  
CHIEF FINANCIAL OFFICER  
JAMES S. BROWN  
CHIEF OPERATING OFFICER

April 16, 2014

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



Re: Dayton FP Battery  
30-015-21738  
Section 21, T18S-R26E  
Eddy County, New Mexico

Dear Mr. Bratcher,

Yates Petroleum Corporation is submitting the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 report dated June 20, 2013.

**If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after the week of April 25, 2014.**

If you have any questions, feel free to call me at (575) 748-4171

Thank you.

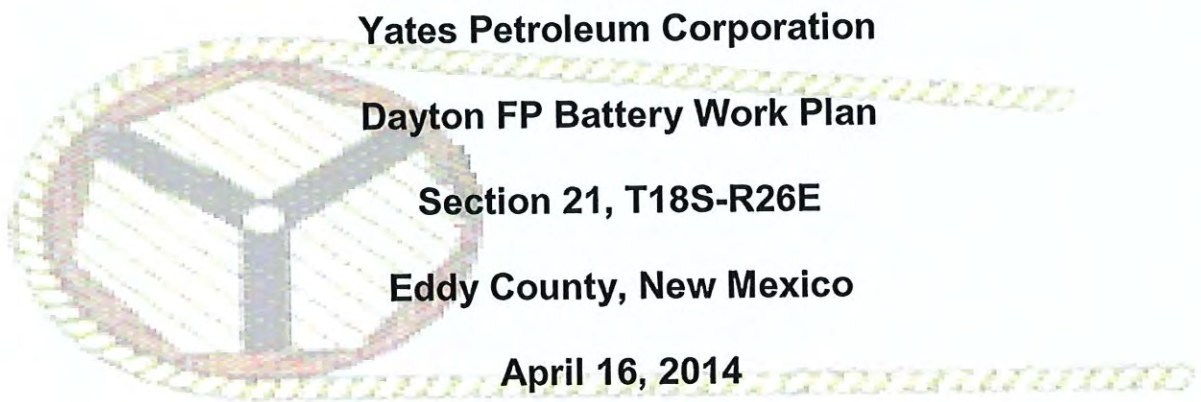
YATES PETROLEUM CORPORATION

Chase Settle  
Environmental Regulatory Agent

Enclosure(s)

KATHY H. PORTER  
SECRETARY

DENNIS G. KINSEY  
TREASURER



**Yates Petroleum Corporation**

**Dayton FP Battery Work Plan**

**Section 21, T18S-R26E**

**Eddy County, New Mexico**

**April 16, 2014**

**I. Location**

The release is located approximately 8 miles south of Artesia, 0.5 mile east on Dayton Road, and 0.7 mile north.

**II. Background**

On June 20, 2013, Yates submitted to the NMOCD District II office a Form C-141 for the release of 20 B/PW with 0 B/PW recovered. The total affected area is approximately a 120 feet by 60 feet area north of the produced water line and 141 feet by 9 feet east following the produced water line. The release was from failure of a six (6) inch produced water flow line causing produced water to impact the soil around the pipeline. Initial delineation samples were taken (6/25/2013, 7/9/2013, and 8/13/2013) and sent to a NMOCD approved laboratory (7/2/2013, 7/11/2013, and 8/15/2013, results enclosed). Further sampling was conducting using a core rig to determine the delineation of chlorides (1/15/2014) and sent to a NMOCD approved laboratory (1/17/2014, results enclosed).

**III. Surface and Ground Water**

Area surface geology ranges from Cenozoic Quaternary to Paleozoic Permian. The ChevronTexaco Trend Map displays at this location (Section 21, T18S-R26E) that depth to groundwater is approximately 75' feet making the site ranking for this site a ten (10). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

The ranking for this site is ten (10) based on the as following:

Depth to ground water	50' - 99'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

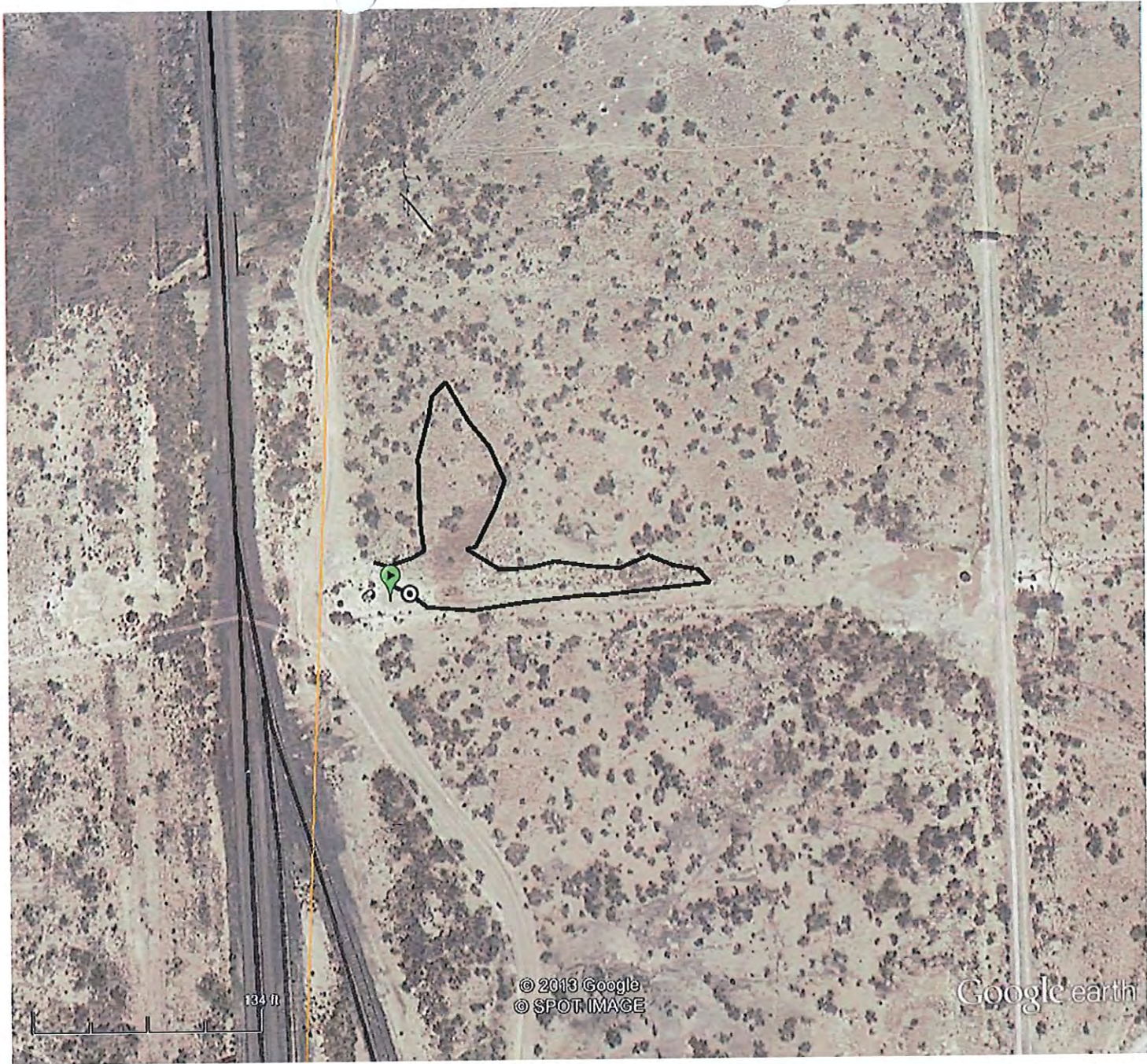
**IV. Soils**

The area consists of soils that are caliche and loamy top soil and are interspersed with clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

**V. Scope of Work**

Based on enclosed analytical results, the depth to groundwater (75'), and a decrease in chlorides, Yates Petroleum Corporation will excavate four (4) feet of impacted soil within the release area and haul excavated soils to a NMOCD approved facility. Yates Petroleum Corporation will then install a 20 ml liner over the release area with six (6) inches of sand above and below the liner for cushion, and will attempt the same procedure in the pipeline area if practicable. The remaining excavated area will be backfilled with eighteen (18) inches of caliche and eighteen (18) inches of like, similar topsoil allowing for vegetative repopulation of the disturbed area and protection from groundwater contamination. The TPH & BTEX are within the RRAL's for BTEX (50 ppm) and TPH (1000 ppm) for the Total Ranking Score of ten (10), no further analytical testing of TPH and/or BTEX will be conducted (all chloride analytical results are for documentation). When remediation work is completed a C-141, Final Report, analytical results and a site sample diagram will be submitted to the NMOCD and request closure of the site.

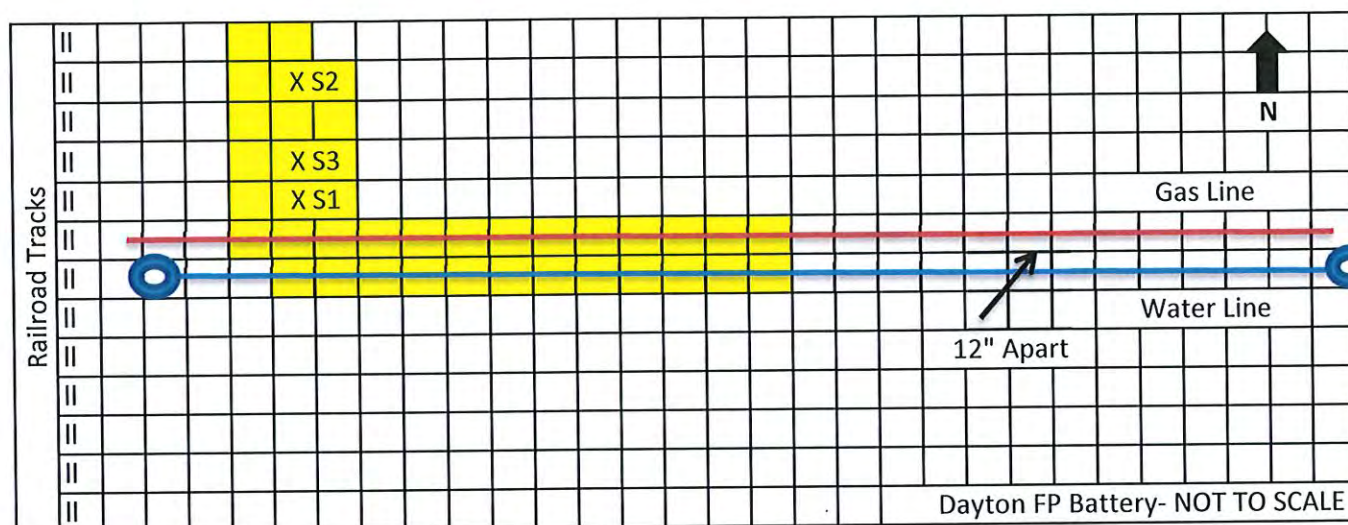




Google earth







Release Area      Sample Location

Analytical Report	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
H301489								
S1-1'	Release Area	6/25/2013	Backhoe	1'	0.085	<10.0	<10.0	14800
S1-3'	Release Area	6/25/2013	Backhoe	3'	0.107	<10.0	<10.0	11400
S1-5'	Release Area	6/25/2013	Backhoe	5'	0.066	<10.0	<10.0	14800
H301606								
S1-7'	Release Area	7/9/2013	Backhoe	7'	N/A	N/A	N/A	9200
S1-9'	Release Area	7/9/2013	Backhoe	9'	N/A	N/A	N/A	6530
S1-11'	Release Area	7/9/2013	Backhoe	11'	N/A	N/A	N/A	12300
H301928								
S1-13'	Release Area	8/13/2013	Backhoe	13'	N/A	N/A	N/A	6560
S1-15'	Release Area	8/13/2013	Backhoe	15'	N/A	N/A	N/A	5040
H301489								
S2-1'	Release Area	6/25/2013	Backhoe	1'	0.098	<10.0	<10.0	14200
S2-3'	Release Area	6/25/2013	Backhoe	3'	0.063	<10.0	<10.0	15800
S2-5'	Release Area	6/25/2013	Backhoe	5'	0.052	<10.0	<10.0	14000
H301606								
S2-7'	Release Area	7/9/2013	Backhoe	7'	N/A	N/A	N/A	10500
S2-9'	Release Area	7/9/2013	Backhoe	9'	N/A	N/A	N/A	8800
S2-11'	Release Area	7/9/2013	Backhoe	11'	N/A	N/A	N/A	4240
H301928								
S2-13'	Release Area	8/13/2013	Backhoe	13'	N/A	N/A	N/A	5120
S2-15'	Release Area	8/13/2013	Backhoe	15'	N/A	N/A	N/A	4800
H400147								
S3-20'	Release Area	1/15/2014	Coring Unit	20'	N/A	N/A	N/A	2560
S3-25'	Release Area	1/15/2014	Coring Unit	25'	N/A	N/A	N/A	64

Site Ranking is Zero (10). DTGW 50' - 99' (approx 75', Section 21, T18S-R26E, Trend Map)

All results are ppm. Chlorides for documentation

Released: 20 B/PW; Recovered: 10 B/PW    Release Date: 06/18/2013



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

July 02, 2013

LUPE CARRASCO

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: DAYTON FP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/26/13 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
 LUPE CARRASCO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received: 06/26/2013  
 Reported: 07/02/2013  
 Project Name: DAYTON FP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 06/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S1-1' (H301489-01)**

BTEX 8260B			mg/kg							Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	07/02/2013	ND	2.07	103	2.00	8.04			
Toluene*	0.085	0.050	07/02/2013	ND	1.80	89.9	2.00	9.41			
Ethylbenzene*	<0.050	0.050	07/02/2013	ND	1.77	88.6	2.00	9.25			
Total Xylenes*	<0.150	0.150	07/02/2013	ND	5.37	89.5	6.00	8.49			

Surrogate: Dibromofluoromethane 103 % 61.3-142

Surrogate: Toluene-d8 98.6 % 71.3-129

Surrogate: 4-Bromofluorobenzene 107 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14800	16.0	06/28/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2013	ND	212	106	200	0.466	
DRO >C10-C28	<10.0	10.0	06/27/2013	ND	212	106	200	1.45	

Surrogate: 1-Chlorooctane 82.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.3 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 51 of 120  
Received by OCD: 9/28/2022 1:50:54 PM  
Released to Imaging: 2/13/2023 1:01:30 PM



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received:	06/26/2013	Sampling Date:	06/25/2013
Reported:	07/02/2013	Sampling Type:	Soil
Project Name:	DAYTON FP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S1-3' (H301489-02)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2013	ND	2.07	103	2.00	8.04	
Toluene*	0.107	0.050	07/02/2013	ND	1.80	89.9	2.00	9.41	
Ethylbenzene*	<0.050	0.050	07/02/2013	ND	1.77	88.6	2.00	9.25	
Total Xylenes*	<0.150	0.150	07/02/2013	ND	5.37	89.5	6.00	8.49	

Surrogate: Dibromofluoromethane 100 % 61.3-142

Surrogate: Toluene-d8 100 % 71.3-129

Surrogate: 4-Bromofluorobenzene 108 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11400	16.0	06/28/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2013	ND	212	106	200	0.466	
DRO >C10-C28	<10.0	10.0	06/27/2013	ND	212	106	200	1.45	

Surrogate: 1-Chlorooctane 90.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.9 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

YATES PETROLEUM CORPORATION  
 LUPE CARRASCO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received: 06/26/2013  
 Reported: 07/02/2013  
 Project Name: DAYTON FP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 06/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S1-5' (H301489-03)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2013	ND	2.07	103	2.00	8.04	
<b>Toluene*</b>	<b>0.066</b>	0.050	07/02/2013	ND	1.80	89.9	2.00	9.41	
Ethylbenzene*	<0.050	0.050	07/02/2013	ND	1.77	88.6	2.00	9.25	
Total Xylenes*	<0.150	0.150	07/02/2013	ND	5.37	89.5	6.00	8.49	

Surrogate: Dibromofluoromethane 101 % 61.3-142

Surrogate: Toluene-d8 99.3 % 71.3-129

Surrogate: 4-Bromofluorobenzene 107 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>14800</b>	16.0	06/28/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2013	ND	212	106	200	0.466	
<b>DRO &gt;C10-C28</b>	<b>16.0</b>	10.0	06/27/2013	ND	212	106	200	1.45	

Surrogate: 1-Chlorooctane 97.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.2 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

YATES PETROLEUM CORPORATION  
 LUPE CARRASCO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received: 06/26/2013  
 Reported: 07/02/2013  
 Project Name: DAYTON FP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 06/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S2-1' (H301489-04)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2013	ND	2.07	103	2.00	8.04	
<b>Toluene*</b>	<b>0.098</b>	0.050	07/02/2013	ND	1.80	89.9	2.00	9.41	
Ethylbenzene*	<0.050	0.050	07/02/2013	ND	1.77	88.6	2.00	9.25	
Total Xylenes*	<0.150	0.150	07/02/2013	ND	5.37	89.5	6.00	8.49	

Surrogate: Dibromofluoromethane 101 % 61.3-142

Surrogate: Toluene-d8 99.1 % 71.3-129

Surrogate: 4-Bromofluorobenzene 107 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>14200</b>	16.0	06/28/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2013	ND	212	106	200	0.466	
DRO >C10-C28	<10.0	10.0	06/27/2013	ND	212	106	200	1.45	

Surrogate: 1-Chlorooctane 84.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.3 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

YATES PETROLEUM CORPORATION  
 LUPE CARRASCO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received: 06/26/2013  
 Reported: 07/02/2013  
 Project Name: DAYTON FP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 06/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S2-3' (H301489-05)**

BTEX 8260B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2013	ND	2.07	103	2.00	8.04	
Toluene*	<b>0.063</b>	0.050	07/02/2013	ND	1.80	89.9	2.00	9.41	
Ethylbenzene*	<0.050	0.050	07/02/2013	ND	1.77	88.6	2.00	9.25	
Total Xylenes*	<0.150	0.150	07/02/2013	ND	5.37	89.5	6.00	8.49	

Surrogate: Dibromofluoromethane 101 % 61.3-142

Surrogate: Toluene-d8 98.7 % 71.3-129

Surrogate: 4-Bromofluorobenzene 104 % 65.7-141

Chloride, SM4500Cl-B		mg/kg	Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>15800</b>	16.0	06/28/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2013	ND	212	106	200	0.466	
DRO >C10-C28	<10.0	10.0	06/27/2013	ND	212	106	200	1.45	

Surrogate: 1-Chlorooctane 93.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.8 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

YATES PETROLEUM CORPORATION  
 LUPE CARRASCO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received: 06/26/2013  
 Reported: 07/02/2013  
 Project Name: DAYTON FP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 06/25/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S2-5' (H301489-06)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2013	ND	2.07	103	2.00	8.04	
Toluene*	0.052	0.050	07/02/2013	ND	1.80	89.9	2.00	9.41	
Ethylbenzene*	<0.050	0.050	07/02/2013	ND	1.77	88.6	2.00	9.25	
Total Xylenes*	<0.150	0.150	07/02/2013	ND	5.37	89.5	6.00	8.49	

Surrogate: Dibromofluoromethane 101 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 107 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	06/28/2013	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/27/2013	ND	212	106	200	0.466	
DRO >C10-C28	<10.0	10.0	06/27/2013	ND	212	106	200	1.45	

Surrogate: 1-Chlorooctane 96.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.3 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES  
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Lupe Carrasco

Company (505) 393-2326 Yates Petroleum Corporation

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4350

Sampler Signature: *Lupe Carrasco*

e-mail: [lcarrasco@yatespetroleum.com](mailto:lcarrasco@yatespetroleum.com)

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Project #:

Project Name:

Dayton FP Battery

Project Loc:

PO #: 103-163

to use only)  
ORDER #: H301489

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers										Matrix																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
								Ice	HNO <sub>3</sub>	HCl	H <sub>2</sub> SO <sub>4</sub>	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: 418.1 8015M 8015		TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO <sub>4</sub> , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72	Standard TAT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time	Received by:	Date	Time
<i>Lupe Carrasco</i>			<i>Spdi Member</i>	6/26/13	8:00			
Relinquished by:	Date	Time	Received by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Received by:	Date	Time

Temperature Upon Receipt: 4 °C





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

July 11, 2013

LUPE CARRASCO

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: DAYTON FP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/10/13 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
 LUPE CARRASCO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received: 07/10/2013  
 Reported: 07/11/2013  
 Project Name: DAYTON FP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 07/09/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Daniel Wade

**Sample ID: S1-7' (H301606-01)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	07/11/2013	ND	432	108	400	7.69	

**Sample ID: S1-9' (H301606-02)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6530	16.0	07/11/2013	ND	432	108	400	7.69	

**Sample ID: S1-11' (H301606-03)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12300	16.0	07/11/2013	ND	400	100	400	3.92	

**Sample ID: S2-7' (H301606-04)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10500	16.0	07/11/2013	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received:	07/10/2013	Sampling Date:	07/09/2013
Reported:	07/11/2013	Sampling Type:	Soil
Project Name:	DAYTON FP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Daniel Wade
Project Location:	NOT GIVEN		

**Sample ID: S2-9' (H301606-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	07/11/2013	ND	400	100	400	3.92	

**Sample ID: S2-11' (H301606-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	07/11/2013	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

### Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager





ARDINAL LABORATORIES  
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Lupe Carrasco

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4350

Sampler Signature: Lupe Carrasco

e-mail: lcarrasco@yatespetroleum.com

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Project Name:

Dayton FP Battery

Project #:

Project Loc:

PO #: 103-163

ORDER #: H301606

Preservation & # of Containers

Matrix

TPH: 418.1 8015M 8015

TPH: TX 1005 TX 1006

Cations (Ca, Mg, Na, K)

Anions (Cl, SO<sub>4</sub>, Alkalinity)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

BTEX 8021B/5030 or BTEX 8260

RCI

N.O.R.M.

Chlorides

SAR

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO<sub>3</sub>

HCl

H<sub>2</sub>SO<sub>4</sub>

NaOH

Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: 418.1 8015M 8015

TPH: TX 1005 TX 1006

Cations (Ca, Mg, Na, K)

Anions (Cl, SO<sub>4</sub>, Alkalinity)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

BTEX 8021B/5030 or BTEX 8260

RCI

N.O.R.M.

Chlorides

SAR

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

S1-7'  
S1-9'  
S1-11'  
S2-7'  
S2-9'  
S2-11'

7/9/2013  
7/9/2013  
7/9/2013  
7/9/2013  
7/9/2013  
7/9/2013

X  
X  
X  
X  
X  
X

Special Instructions:

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Lupe Carrasco

7/10/13

8am

Laboratory Comments:  
Sample Containers: 2  
VOCs: Free of Headspace? Y  
Labels on containers? Y  
Custody seals on container(s)? Y  
Custody seals on cooler(s)? Y  
Sample Hand Delivered by Sampler/Client Rep: 2  
by Courier? UPS DHL FedEx Other  
Temperature Upon Receipt: 4°C





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 15, 2013

LUPE CARRASCO

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: DAYTON FP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/14/13 10:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

YATES PETROLEUM CORPORATION  
 LUPE CARRASCO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

Received: 08/14/2013  
 Reported: 08/15/2013  
 Project Name: DAYTON FP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 08/13/2013  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S1-13' (H301928-01)**

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	6560	16.0	08/15/2013	ND	400	100	400	0.00			

**Sample ID: S1-15' (H301928-02)**

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	5040	16.0	08/15/2013	ND	400	100	400	0.00			

**Sample ID: S2-13' (H301928-03)**

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	5120	16.0	08/15/2013	ND	400	100	400	0.00			

**Sample ID: S2-15' (H301928-04)**

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	4800	16.0	08/15/2013	ND	400	100	400	0.00			

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Celey D. Keene, Lab Director/Quality Manager



Page 65 of 120

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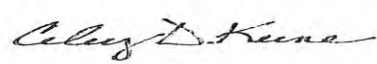
Notes and Definitions

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

Cardinal Laboratories

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\_\_\_\_\_  
Celest D. Keene, Lab Director/Quality Manager



**ARDINAL LABORATORIES**  
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

**CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST**

Project Manager: Lupe Carrasco

Company Address: 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4350

Sampler Signature: [Signature]

e-mail: lcarrasco@yatespetroleum.com

Project Name: Dayton FP Battery

Project #:

Project Loc:

PO #: 103-163

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #: H361928

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO <sub>3</sub>	HCl	H <sub>2</sub> SO <sub>4</sub>	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: 418.1 8015M 8015	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO <sub>4</sub> , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	SAR	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	S1-13'																														
2	S1-15'																														
3	S2-13'																														
4	S2-15'																														

Special Instructions:

Relinquished by:

Relinquished by:

Relinquished by:

Date

Date

Date

Time

Time

Time

Received by:

Received by:

Received by:

Date

Date

Date

Time

Time

Time

Laboratory Comments:

Sample Containers In/Out?

VOCs Free of Headspace?

Labels on Containers?

Custody seals on container(s)

Sample Hand-Delivered

by Courier?

Temperature Upon Receipt





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

January 17, 2014

LUPE CARRASCO

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: DAYTON FP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/16/14 11:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



Page 68 of 120  
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**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 01/16/2014  
Reported: 01/17/2014  
Project Name: DAYTON FP BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/15/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S3 - 20' (H400147-01)**

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2014	ND	2.47	124	2.00	0.657	
Toluene*	<0.050	0.050	01/16/2014	ND	2.43	122	2.00	0.0197	
Ethylbenzene*	<0.050	0.050	01/16/2014	ND	2.46	123	2.00	0.0828	
Total Xylenes*	<0.150	0.150	01/16/2014	ND	7.31	122	6.00	1.64	
Total BTEX	<0.300	0.300	01/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2560	16.0	01/17/2014	ND	416	104	400	3.92		

TPH 8015M			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/16/2014	ND	201	101	200	12.0		
DRO >C10-C28	<10.0	10.0	01/16/2014	ND	203	102	200	14.3		

Surrogate: 1-Chlorooctane 80.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 82.6 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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**Analytical Results For:**

YATES PETROLEUM CORPORATION  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 01/16/2014  
Reported: 01/17/2014  
Project Name: DAYTON FP BATTERY  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/15/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S3 - 25' (H400147-02)**

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2014	ND	2.47	124	2.00	0.657	
Toluene*	<0.050	0.050	01/16/2014	ND	2.43	122	2.00	0.0197	
Ethylbenzene*	<0.050	0.050	01/16/2014	ND	2.46	123	2.00	0.0828	
Total Xylenes*	<0.150	0.150	01/16/2014	ND	7.31	122	6.00	1.64	
Total BTEX	<0.300	0.300	01/16/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/17/2014	ND	416	104	400	3.92	

TPH 8015M			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/16/2014	ND	201	101	200	12.0	
DRO >C10-C28	<10.0	10.0	01/16/2014	ND	203	102	200	14.3	

Surrogate: 1-Chlorooctane 86.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 85.3 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





Dayton FP Battery  
Closure Report  
#nJMW1317739925



September 27, 2022

---

# Appendix D

## Remediation Plan Email and Read Receipt

**Chase Settle**

---

**From:** Chase Settle  
**Sent:** Monday, May 5, 2014 9:22 AM  
**To:** mike.bratcher@state.nm.us  
**Cc:** Bob Asher  
**Subject:** Work Plans

Mr. Bratcher,

**If there are no objections with the scope of work submitted previously for the plans listed below, Yates will have a contractor begin work on these locations this week.** We discussed all 3 of the plans prior to their formal submission, and verbal approval was given to proceed with the revised scope of work from those discussions. Work will not commence on the Agave AAJ State #1 until Wednesday, May 7, 2014, as stated on the cover page for the work plan. If you have an questions or concerns, feel free to contact me.

**Dayton FP Battery (Water Line)**

30-015-21738  
Section 21, T18S-R26E  
Eddy County, New Mexico

**North Dagger Draw Water Station**

Section 20, T19S-R25E  
Eddy County, New Mexico

**Agave AAJ State #1**

30-015-25049  
Section 32, T19S-R24E  
660 FNL & 660 FEL  
Eddy County, New Mexico

Thanks,

**Chase Settle**

**Environmental Regulatory Agent**  
**Yates Petroleum Corporation**  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210  
575-748-4171 (Office)  
575-703-6537 (Cell)



## Chase Settle

---

**From:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>  
**To:** Chase Settle  
**Sent:** Monday, May 5, 2014 9:52 AM  
**Subject:** Read: Work Plans

Your message was read on Monday, May 05, 2014 9:51:37 AM (GMT-07:00) Mountain Time (US & Canada).

Dayton FP Battery  
Closure Report  
#nJMW1317739925



September 27, 2022

---

# Appendix E

## NMOCD Correspondence & Internal Notes

Status Report

Well/Location Name: Dayton FP Battery

Field Supervisor: Chance Sexton

Location: Section 21, T18S-R26E;

Eddy County, NM

Latitude: 32.73417

Longitude: 104.38341

API # 30-015-21738

Surface Owner: Fee

Mineral Owner:

Lease No.

Directions:

**SITE RANKING IS ZERO (0).** Depth to Ground Water: >100' (approx. <sup>75</sup>140', Section 21, T18S-R26E, per NMOSE), Wellhead Protection Area: No, Distance to Surface Water Body: >1000'.

Date	Comment
6/18/13	Release: 20 B/PW; Recovered: 10 B/PW
6/19/13	Site visit. APST crew repairing line. TNT excavating
6/20/13	Initial C-141 to OCD. Allowing to dry before scraping & sampling
6/25/13	TNT scraped, impacted area 2-4". Sampled 51 & 52 @ 1', 3', 5'. Impacted Area still moist.
7/18/13	Met w/ Mike Bratcher. Asked for further delineation
8/13/13	Sampled down to 15' w/ Trac hoe. Hit hard calciche layer. Trac hoe could not break through. Had <del>previously</del> sampled 7' & 11' on 7/9/13.
1/15/14	Taken Rig Coring Unit: 53-20' to 25'
3/13/14	Sampled SS - Sur, 1', 2', 3'
4/22/14	OCD approved Work Plan
6/13/14	Bid Mtg held - TNT, WildWest, Hungry Horse
Week of 9/15-19/14	Bid was cleared to award to WildWest
1/1/2015	Work halted due to economic reasons
8/20/2015	Production had lines changed, and during the new line installation the contractor was able to excavate contaminated soil and haul it for disposal, as well as install the liner under the new lines. Since part of the remediation was completed by production, it will have to be re-bid for the remainder of the work. This project will be worked simultaneously with the Dayton Water Line (Gushwa)

6/20/2013



## Chase Settle

---

**From:** Patterson, Heather, EMNRD <Heather.Patterson@state.nm.us>  
**Sent:** Wednesday, November 2, 2016 1:11 PM  
**To:** Chase E. Settle; Bratcher, Mike, EMNRD  
**Subject:** RE: Dayton FP and Federal AB #9 C-141

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

I can do it. The OCD will continue to use Yates until we see the change of operator forms approved and the name is officially changed in our system. I wouldn't be surprised if this process takes a while.

Heather Patterson  
Environmental Specialist  
NMOCD District II  
Office (575)748-1283 ext.101  
Cell (575)703-0228

---

**From:** Chase E. Settle [mailto:Chase\_Settle@eogresources.com]  
**Sent:** Friday, October 28, 2016 2:57 PM  
**To:** Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD  
**Subject:** Dayton FP and Federal AB #9 C-141

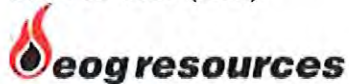
Mike/Heather,

On the 2 C-141 Finals I submitted on Wednesday, I put EOG as the company name, and learned today that we need to continue using Yates Petroleum Corporation for a while longer until it is officially complete. Can you scratch through that and change it, or would you rather me correct it and resubmit them?

Thank you,

***Chase Settle, M.S.***  
Adv. Environmental Representative

EOG Resources  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210  
575-748-4171 (Office)  
575-703-6537 (Cell)



## Chase Settle

---

**From:** Lupe Carrasco  
**Sent:** Tuesday, September 10, 2013 3:26 PM  
**To:** Mike Bratcher@OCD (mike.bratcher@state.nm.us)  
**Subject:** Dayton FP Battery Water Line

Mr. Bratcher,

As per our conversation on September 10, 2013, in regards to the Dayton FP Battery Water Line, Yates Petroleum will delineate the area further. We will delineate to the point at which chlorides fall to at least 1000 ppm using one soil bore for the impacted area. Once analytical results are obtained we will discuss whether the use of a capillary barrier or a synthetic liner and cap would be of benefit to prevent chloride migration. If you have any questions please feel free to contact me.

Thanks for your time!

Lupe Carrasco  
*Environmental Regulatory Agent*  
Yates Petroleum Corporation  
Office: (575) 748-4350  
Fax: (575) 748-4131  
Cell: (575) 513-9074

Dayton FP Battery  
Closure Report  
#nJMW1317739925



September 27, 2022

---

# Appendix F

## Vertex Documentation





## Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/7/2022
Site Location Name:	Dayton FP Pipeline	Report Run Date:	2/7/2022 11:36 PM
Client Contact Name:	Chase Settle	API #:	I-21-18S-26E
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

### Summary of Times

Arrived at Site	2/7/2022 8:20 AM
Departed Site	2/7/2022 3:02 PM

### Field Notes

- 14:54** Conduct hydro vac locates to find bottom of existing liner as well as flow lines.
- 14:55** Lines appear to be approximately 2'-3' below surface with liner underneath them further below surface.
- 14:56** Completed 3 entire locates and half a 4th locate.  
Cutting windows into ground at 1' wide X 20' long X approximately 3-4' deep (pending on flow line depths).

### Next Steps & Recommendations

- 1 Continue locates adding approximately 3 or 4 more holes.

## Daily Site Visit Report



Daily Site Visit Signature

**Inspector:** Austin Harris

**Signature:**

A handwritten signature in black ink, appearing to be 'AH' with a long horizontal stroke extending to the right.

Signature



## Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/10/2022
Site Location Name:	Dayton FP Pipeline	Report Run Date:	2/10/2022 11:03 PM
Client Contact Name:	Chase Settle	API #:	I-21-18S-26E
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

### Summary of Times

Arrived at Site 2/10/2022 8:00 AM

Departed Site 2/10/2022 3:15 PM

### Field Notes

**8:29** On site waiting for roustabouts

**8:37** WWS and QT on site

**9:19** Safety meeting complete, determined a game plan for the roustabouts today

**15:03** Trackhoe arriving on site

### Next Steps & Recommendations

**1** Continue excavation along lines

**2** Proceed to dig out area



## Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sally Carttar

Signature:

  
Signature



## Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/11/2022
Site Location Name:	Dayton FP Pipeline	Report Run Date:	2/11/2022 10:23 PM
Client Contact Name:	Chase Settle	API #:	I-21-18S-26E
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

### Summary of Times

Arrived at Site 2/11/2022 7:45 AM

Departed Site 2/11/2022 3:15 PM

### Field Notes

**8:17** WWS and roustabouts on site, safety meeting complete, discussed today's work plan, began work.

**8:25** Backhoe heading up the hill to lay plastic for staging

**11:54** WWS installing 2' bucket on Trackhoe for precision

**14:33** Finding the east edge and starting to work west from there

### Next Steps & Recommendations

- 1 Continue excavation westward

## Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sally Carttar

Signature:

  
Signature





## Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/14/2022
Site Location Name:	Dayton FP Pipeline	Report Run Date:	2/14/2022 11:34 PM
Client Contact Name:	Chase Settle	API #:	I-21-18S-26E
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

### Summary of Times

Arrived at Site	2/14/2022 7:45 AM
Departed Site	2/14/2022 3:00 PM

### Field Notes

**9:13** Working westward, finding north and south walls as we go

**12:16** Pushing north wall out since samples are coming back hot on chlorides.

### Next Steps & Recommendations

**1** Continue working west, checking north and south walls

## Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sally Carttar

Signature:

  
Signature



## Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/15/2022
Site Location Name:	Dayton FP Pipeline	Report Run Date:	2/15/2022 10:55 PM
Client Contact Name:	Chase Settle	API #:	I-21-18S-26E
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

### Summary of Times

Arrived at Site 2/15/2022 7:45 AM

Departed Site 2/15/2022 3:00 PM

### Field Notes

**8:27** All parties on site, safety meeting complete.

**8:40** Loading three trucks

**8:30** Sampling north and south walls of excavation

**10:54** Still working westward, sampling north and south walls as we go

**12:21** Loading trucks again

### Next Steps & Recommendations

**1** Continue digging west to the railroad ROW

**2** Start bringing in topsoil



## Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sally Carttar

Signature:

  
Signature



## Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/16/2022
Site Location Name:	Dayton FP Pipeline	Report Run Date:	2/16/2022 10:39 PM
Client Contact Name:	Chase Settle	API #:	I-21-18S-26E
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

### Summary of Times

Arrived at Site	2/16/2022 9:00 AM
Departed Site	2/16/2022 11:45 AM

### Field Notes

**8:56** Completing safety meeting

**8:56** Sending a water truck in anticipation of high winds later

**10:30** Per PM I will be staying on site here longer for better oversight

**11:34** No more sampling today due to high winds. Excavation continues, closely monitoring worker safety.

### Next Steps & Recommendations

1 Continue working westward

## Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sally Carttar

Signature:

  
Signature





## Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/17/2022
Site Location Name:	Dayton FP Pipeline	Report Run Date:	2/17/2022 11:33 PM
Client Contact Name:	Chase Settle	API #:	I-21-18S-26E
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

### Summary of Times

Arrived at Site 2/17/2022 8:45 AM

Departed Site 2/17/2022 1:30 PM

### Field Notes

**9:08** Very cold on site

**9:09** Have to move the pile before we continue excavation

### Next Steps & Recommendations

1

## Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sally Carttar

Signature:

  
Signature



## Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/18/2022
Site Location Name:	Dayton FP Pipeline	Report Run Date:	2/18/2022 8:30 PM
Client Contact Name:	Chase Settle	API #:	I-21-18S-26E
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

### Summary of Times

Arrived at Site	2/18/2022 8:15 AM
Departed Site	2/18/2022 11:00 AM

### Field Notes

**8:20** Completing safety meeting, then to start loading trucks

**8:38** Roustabouts working to clean up lines

**10:21** Working back the north wall

### Next Steps & Recommendations

**1** Continue hauling soils out, backloading with backfill



## Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sally Carttar

Signature:

Signature 



## Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/22/2022
Site Location Name:	Dayton FP Pipeline	Report Run Date:	2/22/2022 11:46 PM
Client Contact Name:	Chase Settle	API #:	I-21-18S-26E
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

### Summary of Times

Arrived at Site	2/22/2022 9:00 AM
Departed Site	2/22/2022 3:45 PM

### Field Notes

**9:14** Safety meeting complete

**10:45** Bringing topsoil in and starting to cover largest lines

**13:37** Wind is making sample measurements difficult and inconsistent. Trying to minimize its impact on field screens.

### Next Steps & Recommendations

- 1 Sidewalls are clean, sending highest and lowest to lab for confirmation
- 2 Continue with topsoil


## Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sally Carttar

Signature:

  
Signature



# Daily Soil Sampling



**Client:** Client: EOG Resources Inc.

**Location:** Site: Dayton FP Pipeline

**Date:** (SD: 2/22/22)

Sampling											
		Field Screening							Data Collection		
		Hydrocarbon		Chloride							
Sample ID	Depth (ft)	VOC (PID)	TPH (ppm)	EC Reading (mS/cm)	Temp (°C)	EC Chloride (ppm)	Chloride Titration (ppm)	Lab Analysis	Photo Taken	Marked on Sketch	Refusal Depth (ft)
WES22-01	4.0	0	38				290	✓		✓	
WES22-02	4.0	0	26				258			✓	
WES22-03	4.0	0	40				595	✓		✓	
WES22-04	4.0	0	43				580	✓		✓	
WES22-05	4.0	0	41				423			✓	
WES22-06	4.0	0	23				560			✓	
WES22-07	4.0	0	19				370			✓	



## Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/23/2022
Site Location Name:	Dayton FP Pipeline	Report Run Date:	2/23/2022 10:30 PM
Client Contact Name:	Chase Settle	API #:	I-21-18S-26E
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

### Summary of Times

Arrived at Site	2/23/2022 8:00 AM
Departed Site	2/23/2022 3:30 PM

### Field Notes

**9:29** Backfilling with fresh topsoil

### Next Steps & Recommendations

- 1 Wait for lab results
- 2 Leave the north wall as-is for now, push it out if need be later.
- 3 Continue backfill


## Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sally Carttar

Signature:

  
Signature





## Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	2/24/2022
Site Location Name:	Dayton FP Pipeline	Report Run Date:	2/24/2022 10:44 PM
Client Contact Name:	Chase Settle	API #:	I-21-18S-26E
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

### Summary of Times

Arrived at Site 2/24/2022 1:30 PM

Departed Site 2/24/2022 3:45 PM

### Field Notes

**14:05** Continuing to backfill excavation

**15:32** One of the trucks broke down, so not as fast as planned but should still finish

### Next Steps & Recommendations

**1** Continue backfill

## Daily Site Visit Report



Daily Site Visit Signature

Inspector: Sally Carttar

Signature:

Signature: 



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

March 04, 2022

Monica Peppin

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Dayton FP Pipeline

OrderNo.: 2202B30

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/24/2022 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](http://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 #NM0901

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 2202B30

Date Reported: 3/4/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WS22-01 0-4'

Project: Dayton FP Pipeline

Collection Date: 2/22/2022 9:35:00 AM

Lab ID: 2202B30-001

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	95	60		mg/Kg	20	3/2/2022 10:44:29 PM	65907
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	3/1/2022 1:04:31 PM	65799
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	3/1/2022 1:04:31 PM	65799
Surr: DNOP	86.8	51.1-141		%Rec	1	3/1/2022 1:04:31 PM	65799
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/26/2022 8:13:00 AM	65786
Surr: BFB	126	70-130		%Rec	1	2/26/2022 8:13:00 AM	65786
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 8:13:00 AM	65786
Toluene	ND	0.048		mg/Kg	1	2/26/2022 8:13:00 AM	65786
Ethylbenzene	ND	0.048		mg/Kg	1	2/26/2022 8:13:00 AM	65786
Xylenes, Total	ND	0.097		mg/Kg	1	2/26/2022 8:13:00 AM	65786
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	2/26/2022 8:13:00 AM	65786

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	Estimated value
	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
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 7



## Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 2202B30

Date Reported: 3/4/2022

CLIENT: EOG

Client Sample ID: WS22-03 0-4'

Project: Dayton FP Pipeline

Collection Date: 2/22/2022 9:45:00 AM

Lab ID: 2202B30-002

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	490	60		mg/Kg	20	3/2/2022 10:56:53 PM	65907
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/1/2022 1:15:13 PM	65799
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/1/2022 1:15:13 PM	65799
Surr: DNOP	88.2	51.1-141		%Rec	1	3/1/2022 1:15:13 PM	65799
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/26/2022 8:32:00 AM	65786
Surr: BFB	128	70-130		%Rec	1	2/26/2022 8:32:00 AM	65786
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 8:32:00 AM	65786
Toluene	ND	0.049		mg/Kg	1	2/26/2022 8:32:00 AM	65786
Ethylbenzene	ND	0.049		mg/Kg	1	2/26/2022 8:32:00 AM	65786
Xylenes, Total	ND	0.098		mg/Kg	1	2/26/2022 8:32:00 AM	65786
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	2/26/2022 8:32:00 AM	65786

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	Estimated value
	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
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 2 of 7

## Analytical Report

Lab Order 2202B30

Date Reported: 3/4/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WS22-04 0-4'

Project: Dayton FP Pipeline

Collection Date: 2/22/2022 9:50:00 AM

Lab ID: 2202B30-003

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	420	61		mg/Kg	20	3/2/2022 11:09:18 PM	65907
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/28/2022 11:26:01 PM	65801
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/28/2022 11:26:01 PM	65801
Surr: DNOP	84.6	51.1-141		%Rec	1	2/28/2022 11:26:01 PM	65801
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/26/2022 4:38:28 AM	65787
Surr: BFB	103	70-130		%Rec	1	2/26/2022 4:38:28 AM	65787
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 4:38:28 AM	65787
Toluene	ND	0.048		mg/Kg	1	2/26/2022 4:38:28 AM	65787
Ethylbenzene	ND	0.048		mg/Kg	1	2/26/2022 4:38:28 AM	65787
Xylenes, Total	ND	0.097		mg/Kg	1	2/26/2022 4:38:28 AM	65787
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	2/26/2022 4:38:28 AM	65787

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	Estimated value
	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
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 3 of 7

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

WO#: 2202B30

04-Mar-22

**Client:** EOG  
**Project:** Dayton FP Pipeline

Sample ID: <b>MB-65907</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65907</b>	RunNo: <b>86196</b>								
Prep Date: <b>3/2/2022</b>	Analysis Date: <b>3/2/2022</b>	SeqNo: <b>3038501</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65907</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65907</b>	RunNo: <b>86196</b>								
Prep Date: <b>3/2/2022</b>	Analysis Date: <b>3/2/2022</b>	SeqNo: <b>3038502</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

**Qualifiers:**

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
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
PQL Practical Quantitative Limit	RL Reporting Limit
S % Recovery outside of range due to dilution or matrix interference	

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

WO#: 2202B30

04-Mar-22

**Client:** EOG**Project:** Dayton FP Pipeline

Sample ID: <b>MB-65799</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65799</b>	RunNo: <b>86130</b>								
Prep Date: <b>2/25/2022</b>	Analysis Date: <b>2/28/2022</b>	SeqNo: <b>3036100</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		108	51.1	141			

Sample ID: <b>LCS-65799</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65799</b>	RunNo: <b>86130</b>								
Prep Date: <b>2/25/2022</b>	Analysis Date: <b>2/28/2022</b>	SeqNo: <b>3036101</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.3	68.9	135			
Surr: DNOP	5.1		5.000		102	51.1	141			

Sample ID: <b>MB-65801</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65801</b>	RunNo: <b>86130</b>								
Prep Date: <b>2/25/2022</b>	Analysis Date: <b>2/28/2022</b>	SeqNo: <b>3036104</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	51.1	141			

Sample ID: <b>LCS-65801</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65801</b>	RunNo: <b>86130</b>								
Prep Date: <b>2/25/2022</b>	Analysis Date: <b>2/28/2022</b>	SeqNo: <b>3036105</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.9	68.9	135			
Surr: DNOP	5.2		5.000		103	51.1	141			

**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  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Estimated value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



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

WO#: 2202B30

04-Mar-22

**Client:** EOG  
**Project:** Dayton FP Pipeline

Sample ID: <b>ics-65787</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65787</b>			RunNo: <b>86121</b>						
Prep Date: <b>2/24/2022</b>	Analysis Date: <b>2/26/2022</b>			SeqNo: <b>3034390</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.8	78.6	131			
Surr: BFB	1200		1000		119	70	130			

Sample ID: <b>mb-65787</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>65787</b>			RunNo: <b>86121</b>						
Prep Date: <b>2/24/2022</b>	Analysis Date: <b>2/26/2022</b>			SeqNo: <b>3034392</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	70	130			

Sample ID: <b>ics-65786</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65786</b>			RunNo: <b>86123</b>						
Prep Date: <b>2/24/2022</b>	Analysis Date: <b>2/25/2022</b>			SeqNo: <b>3034593</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB	1200		1000		118	70	130			

Sample ID: <b>mb-65786</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>65786</b>			RunNo: <b>86123</b>						
Prep Date: <b>2/24/2022</b>	Analysis Date: <b>2/26/2022</b>			SeqNo: <b>3034594</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		105	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  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Estimated value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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

WO#: 2202B30

04-Mar-22

**Client:** EOG**Project:** Dayton FP Pipeline

Sample ID: <b>LCS-65787</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65787</b>			RunNo: <b>86121</b>						
Prep Date: <b>2/24/2022</b>	Analysis Date: <b>2/26/2022</b>			SeqNo: <b>3034456</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.6	80	120			
Toluene	0.92	0.050	1.000	0	92.2	80	120			
Ethylbenzene	0.93	0.050	1.000	0	92.9	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.1	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: <b>mb-65787</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>65787</b>			RunNo: <b>86121</b>						
Prep Date: <b>2/24/2022</b>	Analysis Date: <b>2/26/2022</b>			SeqNo: <b>3034458</b>		Units: <b>mg/Kg</b>				
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	0.99		1.000		99.2	70	130			

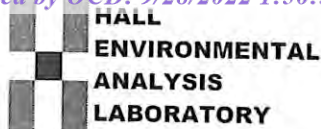
Sample ID: <b>lcs-65786</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65786</b>			RunNo: <b>86123</b>						
Prep Date: <b>2/24/2022</b>	Analysis Date: <b>2/25/2022</b>			SeqNo: <b>3034646</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.0	80	120			
Toluene	0.97	0.050	1.000	0	97.3	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.8	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		91.4	70	130			

Sample ID: <b>mb-65786</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>65786</b>			RunNo: <b>86123</b>						
Prep Date: <b>2/24/2022</b>	Analysis Date: <b>2/26/2022</b>			SeqNo: <b>3034647</b>		Units: <b>mg/Kg</b>				
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	0.91		1.000		91.4	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Estimated value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



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

# Sample Log-In Check List

Client Name: EOG

Work Order Number: 2202B30

RcptNo: 1

Received By: Joseph Alderette

2/24/2022 8:00:00 AM

Completed By: Sean Livingston

2/24/2022 8:44:30 AM

Reviewed By:

JAL 2/24/22

## Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

## Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. 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: JMC 2/24/22

## Special Handling (if applicable)

15. 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: \_\_\_\_\_

16. Additional remarks:

## 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good				



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

Chain-of-Custody Record							
Client: <u>EOG</u>							
Mailing Address: <u>on file</u>							
Phone #: _____							
email or Fax#: _____							
QA/QC Package: <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Standard</span> <span><input type="checkbox"/> Level 4 (Full Validation)</span> </div>							
Accreditation: <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Az Compliance</span> <span><input type="checkbox"/> NELAC</span> <span><input type="checkbox"/> Other _____</span> </div>							
<input type="checkbox"/> EDD (Type) _____							
Turn-Around Time: <div style="display: flex; justify-content: space-between;"> <span><input checked="" type="checkbox"/> Standard</span> <span><input checked="" type="checkbox"/> Rush</span> </div>							
Project Name: <u>Dayton FP pipeline</u>							
Project #: <u>22E-00123-02</u>							
Project Manager: <u>Monica Peppin</u>							
Sampler: <u>Carttar</u>							
On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
# of Coolers: <u>1</u>							
Cooler Temp (including CF): <u>1.5 - 0.1 = 1.4</u> (°C)							
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	
2/22	9:35	soil	WS22-01 0-4'	4 <sup>glass</sup> 0351		2202B30	
	9:45		WS22-03 0-4'			001	
	9:50		WS22-04 0-4'			002	
						003	
Date:	Time:	Relinquished by:		Received by:	Via:	Date	Time
2/22	1900	[Signature]		[Signature]	air	2/23/22	1100
Date:	Time:	Relinquished by:		Received by:	Via:	Date	Time
2/22	1900	[Signature]		[Signature]	air	2/24/22	8:00

Direct bill Eog

Remarks:



Dayton FP Battery  
Closure Report  
#nJMW1317739925

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September 27, 2022

# Appendix G

## Disposal Manifest Summaries



# **R360 Environmental Solutions, LLC**

## **Permian Basin Region**

P.O. Box 3452  
Hobbs, NM 88241

**Bill To**  
YATES  
105 SOUTH 4TH STREET  
ARTESIA, NM 88210-2177

## **Invoice**

**Date:** 10/7/2016  
**Invoice #:** C148987  
**Terms:** Due Upon Receipt  
**Generator:** YATES  
**Lease:** DAYTON FP BATTERY  
**Well:**  
**Rig:** NON-DRILLING  
**PO:** 205 0750  
**Memo:**

Item	Qty	Desc	Price	Amount	Ticket	Date	Manifest #	3rd Party #	Co. Man	Trucking Co
Contaminated Soil (RCRA Exempt)	20.00				774200	10/4/2016	2807		CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00				774316	10/5/2016	NA		CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00				774319	10/5/2016	NA		CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00				774320	10/5/2016	NA		CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00				774321	10/5/2016	346		CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00				774322	10/5/2016	NA		CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00				774325	10/5/2016	NA		CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00				774326	10/5/2016	NA		CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00				774357	10/5/2016	346		CHASE SETTLE	TRUCKING & CONTRACTING SERVICES

**TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.**

For wire instructions, contact your Account Executive.



# **R360 Environmental Solutions, LLC**

## **Permian Basin Region**

P.O. Box 3452  
Hobbs, NM 88241

# Invoice

**Date:** 10/7/2016  
**Invoice #:** C148987  
**Terms:** Due Upon Receipt  
**Generator:** YATES  
**Lease:** DAYTON FP BATTERY  
**Well:**  
**Rig:** NON-DRILLING  
**PO:** 205 0750  
**Memo:**

**Bill To**  
**YATES**  
**105 SOUTH 4TH STREET**  
**ARTESIA, NM 88210-2177**

Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774358	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774359	10/5/2016	2237	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774360	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774362	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774366	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774388	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774389	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774390	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774391	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774392	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774414	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774416	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774420	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774421	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774424	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774425	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774446	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774447	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774448	10/5/2016	346	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES
Contaminated Soil (RCRA Exempt)	20.00	[REDACTED]	774449	10/5/2016	NA	CHASE SETTLE	TRUCKING & CONTRACTING SERVICES

**TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.**  
For wire instructions, contact your Account Executive.

## Invoice

Date: 10/7/2016  
Invoice #: C148987  
Terms: Due Upon Receipt  
Generator: YATES  
Lease: DAYTON FP BATTERY  
Well:  
Rig: NON-DRILLING  
PO: 205 0750  
Memo:



**R360 Environmental Solutions, LLC**  
**Permian Basin Region**

P.O. Box 3452  
Hobbs, NM 88241

Bill To  
YATES  
105 SOUTH 4TH STREET  
ARTESIA, NM 88210-2177

Contaminated Soil (RCRA Exempt) 20.00

774509 10/6/2016 NA

CHASE  
SETTLE

TRUCKING &  
CONTRACTING  
SERVICES

Please Remit To:  
R360-Permian Basin Region  
P.O.Box 671798  
Dallas, TX 75267-1798  
575-393-1079 (O); 575-393-3615(F)

Subtotal: \$  
NM Sales Tax (6.8125%): \$  
Total: \$

### Summary of Products & Services

Product	Price	Quantity	Unit	Extended Price
Contaminated Soil (RCRA Exempt)	\$	600.00	yards	\$
Sales Tax (NM)	\$	1.00	each	\$

TO AVOID DISRUPTION IN SERVICE, PLEASE PAY IMMEDIATELY.  
For wire instructions, contact your Account Executive.



## EOG Resources Weights Statement - Total Received

<i>Receive Date</i>	<i>Manifest Number</i>	<i>Lease Name</i>	<i>Weight (lbs.)</i>	<i>Weight (Tons)</i>
2/14/2022	150351	Dayton FP Pipeline	37,840	18.92
2/15/2022	150407	Dayton FP Pipeline	117,920	58.96
2/15/2022	150408	Dayton FP Pipeline	119,640	59.82
2/15/2022	150409	Dayton FP Pipeline	114,440	57.22
2/16/2022	150483	Dayton FP Pipeline	115,520	57.76
2/16/2022	150484	Dayton FP Pipeline	115,900	57.95
2/16/2022	150485	Dayton FP Pipeline	116,300	58.15
2/17/2022	150549	Dayton FP Pipeline	114,740	57.37
2/17/2022	150550	Dayton FP Pipeline	115,940	57.97
2/17/2022	150551	Dayton FP Pipeline	119,320	59.66
2/17/2022	150552	Dayton FP Pipeline	81,800	40.90
2/17/2022	150553	Dayton FP Pipeline	122,720	61.36
<b>TOTALS:</b>			<b>1,292,080 lbs.</b>	<b>646.04 Tons</b>

### Lea Land Landfill New Mexico

Mile Market # 64 US Highway 62/180

30 miles East of Carlsbad, NM \* (505) 887-4048

## EOG Resources Weights Statement - Total Received

<i>Receive Date</i>	<i>Manifest Number</i>	<i>Lease Name</i>	<i>Weight (lbs.)</i>	<i>Weight (Tons)</i>
2/18/2022	150611	Dayton Pipeline	118,680	59.34
2/18/2022	150612	Dayton Pipeline	115,940	57.97
2/18/2022	150613	Dayton Pipeline	115,720	57.86
2/18/2022	150614	Dayton Pipeline	123,040	61.52
2/18/2022	150615	Dayton Pipeline	109,280	54.64
2/18/2022	150616	Dayton Pipeline	106,560	53.28
2/18/2022	150617	Dayton Pipeline	117,800	58.90
2/18/2022	150618	Dayton Pipeline	115,080	57.54
2/18/2022	150619	Dayton Pipeline	106,440	53.22
2/18/2022	150620	Dayton Pipeline	115,160	57.58
2/21/2022	150668	Dayton Pipeline	110,380	55.19
2/21/2022	150669	Dayton Pipeline	94,280	47.14
2/21/2022	150681	Dayton Pipeline	41,580	20.79
2/22/2022	150746	Dayton Pipeline	114,980	57.49
2/22/2022	150747	Dayton Pipeline	111,620	55.81
2/23/2022	150808	Dayton Pipeline	115,240	57.62
2/23/2022	150819	Dayton Pipeline	65,200	32.60
2/24/2022	150865	Dayton Pipeline	127,680	63.84
2/24/2022	150866	Dayton Pipeline	109,840	54.92
<b>TOTALS:</b>			<b>2,034,500 lbs.</b>	<b>1,017.25 Tons</b>

### Lea Land Landfill New Mexico

Mile Market # 64 US Highway 62/180

30 miles East of Carlsbad, NM \* (505) 887-4048

## Hall, Brittany, EMNRD

---

**From:** Bratcher, Michael, EMNRD  
**Sent:** Monday, February 13, 2023 11:21 AM  
**To:** Hall, Brittany, EMNRD  
**Subject:** RE: nJMW1317739925 (Application ID 147016)

Agreed as stated.

Thanks,

**Mike Bratcher** • Incident Supervisor  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave | Artesia, NM 88210  
(575) 626-0857 | [mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/ocd>



---

**From:** Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>  
**Sent:** Monday, February 13, 2023 11:11 AM  
**To:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** nJMW1317739925 (Application ID 147016)

Mike,

Based on correspondence between you and I on 2/10/2013 about the above referenced incident # and associated application ID, we are in agreement that this incident can be closed based on the information provided in the report.

Thank you,

**Brittany Hall** • Environmental Specialist  
Environmental Bureau Projects Group  
EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87110  
505.517.5333 | [Brittany.Hall@emnrd.nm.gov](mailto:Brittany.Hall@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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**District III**  
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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS  
  
Action 147016

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 147016
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	2/13/2023