

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

Rep Safety & Environmental Sr

EOG Resources, Inc.

Chase Settle



September 27, 2022

**Dayton FP Battery** 

**Closure Report** 

30-015-21738

21-18S-26E

**Eddy County, NM** 

**September 27, 2022** 

nJMW1317739925



September 27, 2022

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#### 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



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.



September 27, 2022

### Site Map



September 27, 2022

#### **Dayton FP Waterline**





September 27, 2022

### **Site Photos**



September 27, 2022



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

Below- 2021 photos of remediation area completed in 2015.





September 27, 2022

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





#### Viewing Direction: North



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

# Viewing Direction: North Supply God Controls 39/77 Subset Road Controls 39/77 Summin Best real 39/7 NISW 81 strails (True) Tom 19

Hyrdrovac Line Locating

#### Viewing Direction: North



Hyrdrovac Line Locating

#### Viewing Direction: North



Hyrdrovac Line Locating





Beginning Excavation



Found Liner Edge, Working West



Shovel Work Around Pipelines



Powered by www.krinkleldar.com Page 4 of 7

Run on 2/22/2022 11:46 PM UTC







Current Excavation

Viewing Direction: South



North Portion Liner

Viewing Direction: Southeast



**Current Excavation** 

Viewing Direction: Southeast



North Portion Liner Found



# Viewing Direction: Southeast

Liner Replacement



Backfill





Viewing Direction: West

Run on 2/22/2022 11:46 PM UTC Powered by www.krinkleldar.com Page 6 of 7



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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 EOC	Resources,	Inc.		OGRID 7377			
Contact Nar	ne Chase	Settle			Contact Telephone 575-748-1471			
		Settle@eogre	esources.con	n	Incident # (assigned by OCD) nJMW1317739925			
Contact mai	Contact mailing address 104 S. 4th Street, Artesia, NM 8							
			Location	n of F	Release S	Source		
Latitude 32					Longitude	-104.38141		
			(NAD 83 in 6	decimal de	egrees to 5 deci	imal places)		
Site Name D	avton FP	Battery			Site Type	Pipeline		
Date Release	Discovered	06/18/2013			API# (if ap	pplicable) 30-015-21738		
Unit Letter				County				
G	G 21 18S 26E Edd			Edd	dy			
Surface Owne	er: State	☐ Federal ☐ T	ribal 🗸 Private	(Name:		)		
				Ì				
			Nature ar	ıd Vo	lume of	Release		
				ch calcula	tions or specifi	ic justification for the volumes provided below)		
Crude O	il	Volume Releas	ed (bbls)			Volume Recovered (bbls)		
☑ Produced	l Water	Volume Released (bbls) 20				Volume Recovered (bbls) 10		
			tion of dissolved	chlorid	e in the	☑ Yes ☐ No		
Condens	ate	produced water Volume Releas				Volume Recovered (bbls)		
Natural (	Gas	Volume Releas	ed (Mcf)			Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide units		)	Volume/Weight Recovered (provide units)					
	Other (desertibe) Volume/ Weight Released (provide units			,	,			
Cause of Re	lease Pleas	ie refer to orig	ninal C-141 fo	or deta	ils of 2RI	P-1691		
	1 1000		gillar O 141 ic	or acte	(110 01 21 (1	1 1001.		

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	rus	'E 1	L /	UI.	1	4	,

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?	If YES, for what reason(s) does the respon	sible party consider this a major release?				
☐ Yes ☑ No						
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?				
	Initial Ro	esponse				
The responsible	party must undertake the following actions immediatel	vunless they could create a safety hazard that would result in injury				
☐ The source of the rele	ease has been stopped.					
☑ The impacted area ha	s been secured to protect human health and	the environment.				
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.						
All free liquids and recoverable materials have been removed and managed appropriately.						
P. 10.15.20.0 P. (4) N.						
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.				
regulations all operators are public health or the environi failed to adequately investig	required to report and/or file certain release notinent. The acceptance of a C-141 report by the Cate and remediate contamination that pose a thre	pest of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws				
Printed Name: Chase Settle Title: Rep Safety & Environmental Sr						
Signature: Chase	Settle	Date: 09/27/2022				
email: Chase_Settle	@eogresources.com	Telephone: <u>575-748-1471</u>				
OCD Only						
Received by:		Date:				

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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 it	tems must be included in the closure report.
✓ A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and renhuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the confaccordance with 19.15.29.13 NMAC including notification to the O	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in CD 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: <u>09/28/2022</u>
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Lattan Hall	Date: 2/13/2023
Printed Name: Brittany Hall	Title: Environmental Specialist

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

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

JUN 2 0 2013

Form C-141 Revised October 10, 2003

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

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

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

Release Notificati	on and Corrective Action
T 11 1	RATOR   Initial Report   Final Report
Name of Company OGRID Number	
Yates Petroleum Corporation 25575 Address	Lupe Carrasco Telephone No.
IO4 S. 4 <sup>TH</sup> Street	575-748-1471
Facility Name API Number Dayton FP Battery 30-015-21738	Facility Type
	Battery
Surface Owner Fce Mineral Owner	Lease No.
	ON OF RELEASE
337	th/South Line   Feet from the   East/West Line   County
21 18S 26E	Eddy
Latitude <u>32.73417</u>	Longitude 104.38341
NATUR	E OF RELEASE
Type of Release	Volume of Release   Volume Recovered   20 B/PW   10 B/PW
Produced Water Source of Release	20 B/PW   10 B/PW     Date and Hour of Occurrence   Date and Hour of Discovery
Water Line	6/18/2013 AM 6/18/2013 AM
Was Immediate Notice Given?  Yes ☐ No ☒ Not Require	If YES, To Whom?
By Whom?	Date and Hour
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.
☐ Yes ☑ No	N/A
If a Watercourse was Impacted, Describe Fully.*  N/A	
Describe Cause of Problem and Remedial Action Taken.*	Y
Release was caused by a break in a 6 inch water line due to age of line.  Crews were called in to repair the line.	Line was shut in and a vacuum truck was dispatched to recover standing fluid.
Describe Area Affected and Cleanup Action Taken.*	NACOR ALE William Value and having stal delineation gamming
will be taken and analysis ran for TPH & BTEX. Chlorides will be run	taken to an NMOCD approved facility. Vertical and horizontal delineation samples 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. 88-R26E, per NMOSE), Wellhead Protection Area: No, Distance to Surface
Water Body: >1000, SITE RANKING IS 0.	B3-KZOB, per 141103B), Weillieu XI ofection Area. No. Bistance to Burinee
I howely certify that the information given above is true and complete for	o 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
should their operations have failed to adequately investigate and remedi	the NMOCD marked as "Final Report" does not relieve the operator of liability ate contamination that pose a threat to ground water, surface water, human health
or the environment. In addition, NMOCD acceptance of a C-141 report	does not relieve the operator of responsibility for compliance with any other
fcderal, state, or local laws and/or regulations.	OIL CONSERVATION DIVISION
Signature: An Canasia	Approved by District Supervisor:
Printed Name: Lupe Carrasco	Signed Ry W11/4 DAMAGE
Title: Environmental Regulatory Agent	Approval Date: Expiration Date:
E-mail Address; Icarrasco@yatespetroleum.com	Conditions of Approval:
	Remediation per OCD Rule & Attached
Date: Thursday, June 20, 2013 Phone: 575-748-1471  Attach Additional Sheets If Necessary	Guidelines. SUBMIT REMEDIATION 2RP-1691

#### 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	Contact				
EOG Resources	Chase Settle				
Address	Telephone No.				
104 S. 4th Street, Artesia, NM 88210	575-748-4171				
Facility Name	Facility Type				
Dayton FP Battery	Pipeline				
Surface Owner Mineral Owne	r	API No.			
Fee	•	30-015-21738			
LOCATIO	ON OF RELEASE				
Unit Letter Section Township Range Feet from the Nor 21 18S 26E	th/South Line   Feet from the   E	ast/West Line   County   Eddy			
	117 Longitude <u>-104.38341</u>				
	E OF RELEASE				
Type of Release	Volume of Release	Volume Recovered			
Produced Water	20 B/PW	10 B/PW			
Source of Release Produced Water Transfer Line	Date and Hour of Occurrence	Date and Hour of Discovery			
Produced Water Transfer Line  Was Immediate Notice Given?	6/18/2016; AM If YES, To Whom?	6/18/2016, AM			
☐ Yes ☐ No ☒ Not Require		6/18/13			
By Whom?	Date and Hour				
Was a Watercourse Reached?	If YES, Volume Impacting the	Watercourse.			
☐ Yes 🛭 No	N/A				
If a Watercourse was Impacted, Describe Fully.* N/A					
Describe Cause of Problem and Remedial Action Taken.*	<u> </u>				
Release was caused by a break in a 6 inch water line due to age of line. Crews were called in to repair the line.	Line was shut in and a vacuum truck	c was dispatched to recover standing fluid.			
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 ta	ken and analysis ran for TPH & BT	EX (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 subm	itted to the OCD requesting closure. If the			
analytical results are above the RRAL's a work plan will be submitted to T18S-R26E, per NMOSE), Wellhead Protection Area: No, Distance	the OCD. Depth to Ground Water Surface Water Poder \$10002 S	er: >100' (approximately 140', Section 21,			
of the NMOCD approved (4/22/2014) work plan, EOG Resources re		The Ranking is v. based on completion			
I hereby certify that the information given above is true and complete to		rstand 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	he NMOCD marked as "Final Repo				
should their operations have failed to adequately investigate and remedi- or the environment. In addition, NMOCD acceptance of a C-141 report	ate contamination that pose a threat t	11 111 0 11 11			
rederal, state, or local laws and/or regulations.	does not reneve the operator of resp	onsibility for compliance with any other			
11/1	- OIL CONSE	RVATION DIVISION			
		KYMITOTY BI VIBIOIY			
Signatura					
Printed Name: Chase Settle	Approved by Environmental Speci	alist:			
Title: NM Adv. Environmental Representative	Approval Date:	Expiration Date:			
		1 Supración Suco.			
E-mail Address: Chase Settle@eogresources.com	Conditions of Approval:	Attached			
Date: Ontahan 26 2016		Tattached []			
Date: October 26, 2016 Phone: 575-748-4171					
		•			



September 27, 2022

## Appendix B September 9, 2013 Remediation Plan

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

MARTIN YATES, III 1912-1985

FRANK W. YATES 1936-1986

S.P YATES



105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

www.vatespetroleum.com

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,



JOHN A. YATES

JOHN A. YATES JR.

CHAIRMAN OF THE BOARD PRESIDENT

JOHN D. PERINI EXECUTIVE VICE PRESIDENT CHIEF FINANCIAL OFFICER

JAMES S. BROWN

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

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 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,

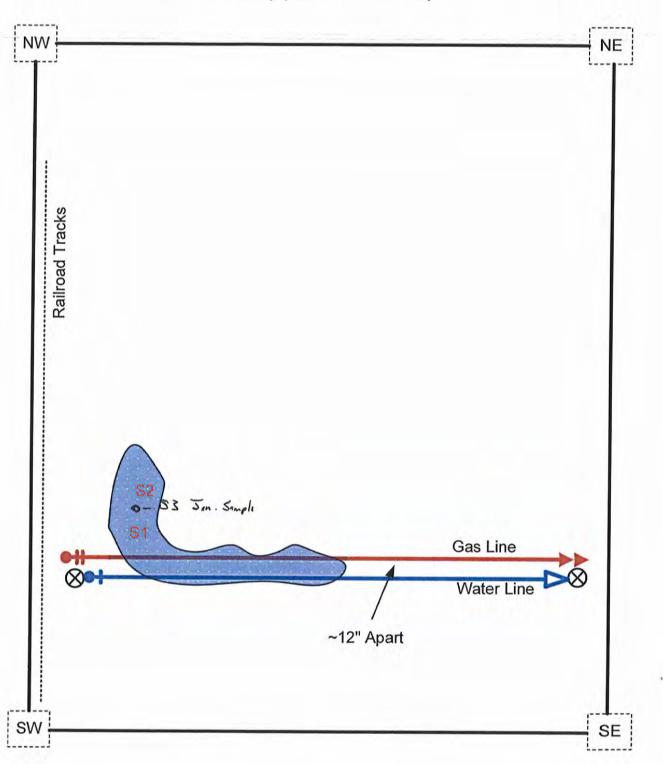
Lupe Carrasco

Environmental Regulatory Agent

#### 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
\$1-3'	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
\$2-3'	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



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 <a href="https://www.tceq.texas.gov/field/qa/lab-accred-certif.html">www.tceq.texas.gov/field/qa/lab-accred-certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

#### Analytical Results For:

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

06/26/2013 07/02/2013 Reported:

DAYTON FP BATTERY Project Name: Project Number: NONE GIVEN

Project Location: NOT GIVEN Sampling Date:

06/25/2013 Soil

Sampling Type: Sampling Condition: Sample Received By:

Cool & Intact

Jodi Henson

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

Received:

BTEX 8260B	mg/l	kg .	Analyze	d 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 %	61.3-14	2						
Surrogate: Toluene-d8	98.6 %	6 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107 %	65.7-14	1						
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	
ТРН 8015М	mg/l	(g	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 %	6 65.2-14	o						
Surrogate: 1-Chlorooctadecane	82.3 %	6 63.6-15	4						

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\*=Accredited Analyte

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Celeg Di Kee



#### Analytical Results For:

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

Fax To:

Sampling Date:

06/25/2013

Reported:

Received:

06/26/2013 07/02/2013

Sampling Type:

Soil

Project Name:

DAYTON FP BATTERY

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN NOT GIVEN

Sample Received By:

Jodi Henson

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

BTEX 8260B	mg/	kg	Analyze	d 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 9	6 61.3-14	2						
Surrogate: Toluene-d8	100 9	6 71,3-12	9						
Surrogate: 4-Bromofluorobenzene	108 9	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d 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	65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.9	63.6-15	4						

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\*=Accredited Analyte

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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: Project Location:

NONE GIVEN NOT GIVEN

Sample Received By:

Jodi Henson

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

BTEX 8260B	mg/	kg	Analyze	d 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 5	61.3-14	2						
Surrogate: Toluene-d8	99.3	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107 9	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 65.2-14	o						
Surrogate: 1-Chlorooctadecane	93.2	63.6-15	4						

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\*=Accredited Analyte

All claims, including those for negligence and PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any claim arising, whether based in contract or any other cause whatsoever shall be deemed valved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no eve including, without Britation, business interruptions, loss of use, or loss of profits incurred by chent, its subsidiaries, affiliates or successors arising out of or related to the performance 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: In no event shall Cardinal be liable for incidental or consequential damages,

Celey D. Ke



#### Analytical Results For:

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

Fax To:

Received:

06/26/2013

Reported: Project Name: 07/02/2013 DAYTON FP BATTERY

Project Number:

NONE GIVEN NOT GIVEN

Project Location:

Sampling Date:

06/25/2013

Sampling Type: Sampling Condition: Soil

Sample Received By:

Cool & Intact Jodi Henson

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

BTEX 8260B	mg/	kg	Analyze	d 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 9	6 61.3-14.	2						
Surrogate: Toluene-d8	99.1	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107 9	6 65.7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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 5	65.2-14	0						
Surrogate: 1-Chlorooctadecane	88.3 9	63.6-15	1						

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#### Analytical Results For:

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

Received:

06/26/2013

Reported:

07/02/2013

Project Name: Project Number: DAYTON FP BATTERY

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

06/25/2013

Soil

Sampling Condition: Sample Received By:

Cool & Intact Jodi Henson

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

BTEX 8260B	mg/	kg	Analyze	d 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 9	61.3-14	2						
Surrogate: Toluene-d8	98.7	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	1049	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d 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-Chloropetane	93,65	65.2-14	0						
Surrogate: 1-Chlorooctadecane	86.8 5	63.6-15	4						

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

\*=Accredited Analyte

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Celeg Dit



#### Analytical Results For:

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

Fax To:

Received:

06/26/2013

Reported: Project Name: 07/02/2013 DAYTON FP BATTERY

Project Number:

NONE GIVEN NOT GIVEN

Project Location:

Sampling Date:

Sampling Type:

06/25/2013 Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

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

BTEX 8260B	mg/	kg	Analyze	d 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 9	6 61.3-14	2						
Surrogate: Toluene-d8	101 9	6 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107 9	6 65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifler
Chloride	14000	16.0	06/28/2013	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d 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	
Surrogale: 1-Chlorooctane	96.5 9	6 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.39	6 63.6-15	4						

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\*=Accredited Analyte

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Celeg D. Kee



#### **Notes and Definitions**

Analyte NOT DETECTED at or above the reporting limit ND

RPD Relative Percent Difference

Samples not received at proper temperature of 6°C or below.

Insufficient time to reach temperature.

Chloride by SM4500CI-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

\*=Accredited Analyte Cardinal Laboratories

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Celeg D. Kee Celey D. Keene, Lab Director/Quality Manager Relinquished by:

Relinquished by:

Relinquished by:

Date

Date

Received by ELOT:

Special Instructions:



ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

Project Manager:

(505) 393-2326 FAX (505

Page

Comps (505) 393-2326 Yates Petrolei im Comors	<b>†</b>				3.		T.		1.						1	T	Project Name:	ξ	tam	nece. Ö			1		Jay	ion On	Dayton FP Battery	D.	Ħ	Ÿ.			Pa	
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Standard TAT

ORDER #: (lab use only)

LAB # (lab use only)

7 51-3 S1-5'

S2-5' S2-3' S2-1' S1-1

'n,

Received by OCD: 9/28/2022 1:59:54 PM

emperature Upon Receipt



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.

Cardinal Laboratories is accreditated 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

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

Lab Director/Quality Manager



#### Analytical Results For:

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

Fax To:

Sampling Date:

07/09/2013

Received: Reported: 07/10/2013 07/11/2013

Sampling Type:

Soil

Project Name:

DAYTON FP BATTERY

Sampling Condition:

Cool & Intact

Project Number: Project Location:

Analyte

Analyte

Analyte

Analyte

NONE GIVEN NOT GIVEN

Sample Received By:

Daniel Wade

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

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyzed

Analyzed

Analyzed

Analyzed

07/11/2013

% Recovery

True Value QC

Qualifier

Chloride

Result 9200

07/11/2013 16.0

Method Blank ND

BS 432

108

400

7.69

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

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

BS

% Recovery

True Value QC

Qualifier

Chloride

6530

Result

07/11/2013 16.0

Reporting Limit

Reporting Limit

ND

432

108

400

RPD 7.69

RPD

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

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

BS

% Recovery

True Value QC

400

RPD

Qualifier

Chloride

Result 12300

Result

10500

Reporting Limit 16.0

Reporting Limit

16.0

07/11/2013

Method Blank ND

400

100

3.92

Chloride

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

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

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

ND

BS

400

% Recovery

100

True Value QC

400

RPD

3.92

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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, 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 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



#### Analytical Results For:

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

Fax To:

Sampling Date:

07/09/2013

Sampling Type:

Soll

Sampling Condition: Sample Received By: Cool & Intact Daniel Wade

Qualifier

Project Number:

Project Name:

Received:

Reported:

NONE GIVEN NOT GIVEN

DAYTON FP BATTERY

07/10/2013

07/11/2013

Project Location:

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

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	
Chloride	8800	16.0	07/11/2013	ND	400	100	400	3.92	

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

Chloride, SM4500CI-B	mg	/kg	Analyze	d 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	

Cardinal Laboratories

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

\*=Accredited Analyte

any other cause whatsoever shall be deemed valved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In n including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors anising out of or related to the perform 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.



### **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 SM4500CI-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

PLEXE 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 claim for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved 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 initiation, business interruptions, loss of use, or loss of profits incurred by claim, it is subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims 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.

Celeg D. Keena

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Standard TAT



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.

Cardinal Laboratories is accreditated 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

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

Lab Director/Quality Manager



### Analytical Results For:

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

Received:

08/14/2013

Reported: 08/15/2013

Project Name: Project Number: DAYTON FP BATTERY NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

08/13/2013 Sampling Type: Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

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

Chloride, SM4500CI-B

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyte

Result Reporting Limit

Reporting Limit

16.0

Reporting Limit

Reporting Limit

16.0

Analyzed 16.0

Method Blank ND

BS 400 % Recovery True Value QC RPD

0.00

Qualifier

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

Chloride, SM4500CI-B

Analyte

Analyte

Analyte

mg/kg

6560

Result

5040

Analyzed By: AP

Analyzed

08/15/2013

08/15/2013

Method Blank

ND

BS 400

% Recovery

100

100

True Value QC 400

400

RPD Qualifier

0.00

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

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyzed

Method Blank

BS % Recovery True Value QC

RPD

Qualifier

Chloride

Chloride

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

Result 5120

16.0

08/15/2013

ND

400

100

400

0.00

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

Chloride, SM4500CI-B

mg/kg

Result

4800

Analyzed By: AP

Analyzed 08/15/2013

Method Blank

ND

BS

400

% Recovery 100

True Value QC 400

RPD 0.00 Qualifier

Cardinal Laboratories

\*=Accredited Analyte

Cardinal's Sability and client's exclusive remedy for any claim arising, whether based in contract or any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after com-including, without irritation, business interruptions, loss of use, or loss of profits incurred by chint, its subsidiaries, affiliates or successors within thirty (30) days after completion of the applicable service. 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 vertice approval of Cardinal Laboratories.

Celey D. Keena



### **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 SM4500CI-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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Celeg D. Keena

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

Dayton FP Battery Closure Report #nJMW1317739925



September 27, 2022

# **Appendix C**April 22, 2014 Remediation Plan

energy opportunity growth

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

MARTIN YATES, III FRANK W. VATES 1936-1986 5.P YATES 1314 3000



TOS SOUTH FOURTH STREET

ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

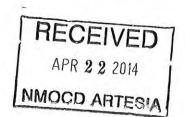
JOHN A. YATES

JOHN A. YATES JR. PHEBIDENT

JOHN D. PERINI COUNTY OF MONETIZATION

JAMES S. BROWN CHIEF OPERATING DEFICER

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



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:

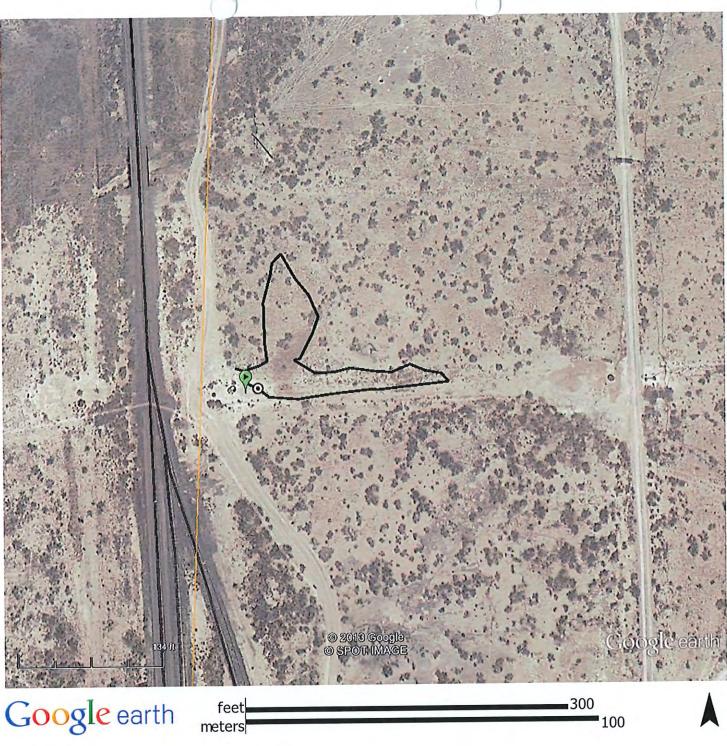
Depth to ground water 50' - 99'
Wellhead Protection Area > 1000'
Distance to surface water body > 1000'

### 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

feet meters



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Release Area X Sample Location

Analytical Report	Sample Area	Sample Date	Sample Type	Depth	втех	GRO	DRO	Chlorides
H301489	A COLUMN							
S1-1'	Release Area	6/25/2013	Backhoe	1'	0.085	<10.0	<10.0	14800
S1-3 <sup>'</sup>	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						7		
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 <sup>'</sup>	Release Area	6/25/2013	Backhoe	1'	0.098		<10.0	14200
S2-3 <sup>1</sup>	Release Area	6/25/2013	Backhoe	3'	0.063			15800
S2-5 <sup>1</sup>	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



July 02, 2013

LUPE CARRASCO YATES PETROLEUM CORPORATION 105 S 4th Street

**RE: DAYTON FP BATTERY** 

Artesia, NM 88210

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.

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

Haloacetic Acids (HAA-5) Method EPA 552.2 Total Trihalomethanes (TTHM) Method EPA 524.2

Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celes D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Fax To:

Sampling Date:

06/25/2013

06/26/2013 07/02/2013

Sampling Type:

Soil

Project Name:

Received:

Reported:

DAYTON FP BATTERY

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

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 9	% 61.3-14	2						
Surrogate: Toluene-d8	98.6	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	82.3	% 63.6-15	54						

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\*=Accredited Analyte

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Celey D. Keene



### 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: Project Name: 07/02/2013

Project Number:

DAYTON FP BATTERY

Project Location:

NONE GIVEN NOT GIVEN

Sampling Date:

06/25/2013

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

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

BTEX 8260B	mg/	/kg	Analyze	d 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	% 61.3-14	2						
Surrogate: Toluene-d8	100	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	108	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.9	% 63.6-15	4						

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\*=Accredited Analyte

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Celey D. Kee



### Analytical Results For:

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

Received: Reported: 06/26/2013

07/02/2013

Project Name:

DAYTON FP BATTERY

Project Number: Project Location:

NONE GIVEN NOT GIVEN

Sampling Date:

06/25/2013

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Received By:

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

BTEX 8260B	mg/	kg	Analyze	d 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 9	61.3-14	2						
Surrogate: Toluene-d8	99.3	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107 9	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	93.2	% 63.6-15	4						

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Celey D. Kune



### 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: Project Location:

NONE GIVEN 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)

BTEX 8260B	mg/	kg	Analyze	d 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	% 61.3-14	2						
Surrogate: Toluene-d8	99.1	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107	% 65.7-14	1						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	88.3	% 63.6-15	4						

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Celey D. Keene



### 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: Project Location: NONE GIVEN

Sampling Date:

06/25/2013

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

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

BTEX 8260B	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 61.3-14	2						
Surrogate: Toluene-d8	98.7	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104	% 65.7-14	1						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	86.8	% 63.6-15	4						

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Celeg D. Keene



### 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: Project Location: NONE GIVEN

Sampling Date:

ate:

06/25/2013 Soil

Sampling Type: Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

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

BTEX 8260B	mg/	kg	Analyze	d 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	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107	65.7-14	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.3	% 63.6-15	4						

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Celey D. Keene

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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.
,2	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** 

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

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardnal'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 Cardnal within thirty (30) days after completion of the applicable service. In no event shall Cardnal 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 Cardnal, 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

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-		100													FIELD CODE	189	A	575-748-4350	Artesia, NM 88210	: 105 South 4th S	26 Yates Petroleum	t Manager: Lupe Carrasco
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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.tceg.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keens

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

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

Lab Director/Quality Manager



### 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: Project Name: 07/11/2013 DAYTON FP BATTERY

Project Number: Project Location:

Analyte

Analyte

Analyte

Analyte

NONE GIVEN

NOT GIVEN

Result

9200

Result

6530

Result

12300

Result

10500

Sampling Date:

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

07/09/2013

Sample Received By:

Daniel Wade

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

Chloride, SM4500CI-B

Chloride

Chloride

Chloride

Chloride

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

mg/kg

Analyzed By: AP

Reporting Limit Analyzed

07/11/2013

Analyzed

07/11/2013

Method Blank ND

BS 432 % Recovery 108

True Value QC

400

400

400

Qualifier

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

Chloride, SM4500CI-B

mg/kg

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed By: AP

Method Blank

BS % Recovery

432

True Value QC

108

100

RPD

7.69

RPD

7.69

Qualifier

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

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyzed

07/11/2013

Analyzed

07/11/2013

Method Blank

ND

ND

BS

400

True Value QC % Recovery

RPD

3.92

Qualifier

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

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Method Blank ND

BS 400 % Recovery 100

True Value QC 400

RPD 3.92 Qualifier

Cardinal Laboratories

\*=Accredited Analyte

All claims, including those for negligence and FLEASE 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. 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 be for incidental or correspond to a consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incidental or correspond by claim, 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.

Celeg Diene Celey D. Keene, Lab Director/Quality Manager Chloride



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: Project Number: Project Location: DAYTON FP BATTERY NONE GIVEN

**NOT GIVEN** 

4240

16.0

Sampling Date:

400

100

07/09/2013 Soil

Sampling Type: Sampling Condition:

Cool & Intact

Sample Received By:

Daniel Wade

3.92

400

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

Chloride, SM4500CI-B	mg	/kg	Analyze	d 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' (H301	606-06)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

ND

07/11/2013

\*=Accredited Analyte Cardinal Laboratories

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Celley D.t

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



### **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

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

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

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3.	4				SCORES CITY OF STREET						×.		7		FIELD CODE	301606	1	ature:	575-748-4350	Artesia, NM 88210	Company Address: 105 South 4th Street	Comps (505) 393-2326 Yates Petroleum Corporation	Jer: Lupe Carrasco
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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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keens

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

YATES PETROLEUM CORPORATION LUPE CARRASCO 105 S 4th Street Artesia NM, 88210

Fax To:

(505) 748-4635

Received: Reported: 08/14/2013

08/15/2013

Project Name:

DAYTON FP BATTERY

Project Number:

NONE GIVEN

Project Location:

Analyte

Analyte

Analyte

Analyte

NOT GIVEN

Result

6560

Result

5040

Sampling Date:

08/13/2013

Soil

Sampling Type:

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

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

Chloride, SM4500CI-B

Chloride

Chloride

Chloride

Chloride

mg/kg

Reporting Limit

16.0

Reporting Limit

16.0

16.0

Reporting Limit

16.0

Analyzed By: AP

Analyzed

08/15/2013

Analyzed

08/15/2013

Method Blank

ND

Method Blank

ND

BS

400

% Recovery 100 True Value QC 400 0.00

Qualifier

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

Chloride, SM4500CI-B

mg/kg

Anal

Analyzed By: AP

BS

400

% Recovery

100

True Value QC 400

RPD Qualifier

Q.

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

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Result Reporting Limit

5120

Result

4800

Analyzed

08/15/2013

Analyzed

08/15/2013

Method Blank

ND

BS % Recovery

True Value QC

0.00

0.00

Qualifier

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

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Method Blank

ND

BS 400

400

% Recovery

100

True Value QC 400

400

RPD 0.00

Qualifier

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Cardinal Laboratories

\*=Accredited Analyte

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Celeg D. Keene



### **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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Celeg D. Keene

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

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Relinquished by:	ial Ing	S	SS	S		ARDINAL LABORATORIES  101 East Marland, Hobbs, NM 88240  Project Manager: Lupe Carrasco  Comps (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: 575-748-4350  Sampler Signature: 575-748-4350
B / B	stru	\$2-15	S1-15' S2-13'	S1-13'		All 100 act N act N part N par npar spho
	ction		1.			ARDINAL LABORATORIES  101 East Marland, Hobbs, NM 88240  t Manager: Lupe Carrasco  t Manager: Lupe Carrasco  t Manager: Lupe Carrasco  t Manager: Lupe Carrasco  any Address: 105 South 4th Street  tate/Zip: Artesia, NM 88210  hone No: 575-748-4350  pler Signature: 575-748-4350
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	< 0 F	++++			Cations (Ca, Mg, Na, K)	# 8 # 2
abe Justo Sami B					Anions (CI, SO4, Alkalinity)	× Standard  TCLP: TOTAL: S B B B B B B B B B B B B B B B B B B
ody ble t	Fra o			1	SAR / ESP / CEC	71: Stan 183
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			××	Pť	SAR	
						24,48,72 hrs E Page 4 of 4
					RUSH TAT (Pre-Schedule)	) 24,48,72 hrs Page 4 of 4
SZZOZZ				1	Standard TAT	Fage 4 014

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



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/qa/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Kune

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

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

Lab Director/Quality Manager

### Analytical Results For:

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

Received:

01/16/2014

Sampling Date:

01/15/2014

Reported:

01/17/2014

Sampling Type:

Soil

Project Name:

DAYTON FP BATTERY

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN NOT GIVEN

Sample Received By:

Jodi Henson

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

BTEX 8021B	mg/	'kg	Analyze	d 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	% 89.4-12	6	_		_			
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	82.6	% 63.6-15	4						

### Cardinal Laboratories

\*=Accredited Analyte

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Celeg D. Kreens

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

01/16/2014

Sampling Date:

01/15/2014

Reported:

01/17/2014

Sampling Type:

Soil

Project Name:

Sampling Condition:

Cool & Intact

DAYTON FP BATTERY NONE GIVEN

Sample Received By:

Jodi Henson

Project Number: Project Location:

**NOT GIVEN** 

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

BTEX 8021B	mg/	kg	Analyze	d 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 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	85.3	% 63.6-15	4						

### Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liabitary and Damages. Cardinal's liability and clients'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.

Celay D. Keens

RPD Relative Percent Difference

Samples not received at proper temperature of 6°C or below.

**CARDINAL** Laboratories

Insufficient time to reach temperature.

Chloride by SM4500CI-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

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 whatocever 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 claims to 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.

Celeg D. Keene Celey D. Keene, Lab Director/Quality Manager Released to Imaging: 2/13/2023 1:01:30 PM

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

Dayton FP Battery Closure Report #nJMW1317739925



September 27, 2022

### **Appendix D**

## Remediation Plan Email and Read Receipt

energy opportunity growth

#### **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,

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

#### 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)

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

#### **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

energy opportunity growth

# **Status Report**

Well/Location Name: Dayton FP Battery Field Supervisor: Chance Sexton

Location: Section 21, T18S-R26E; Eddy County, NM

Longitude: 104.38341 Latitude: 32.73417 API # 30-015-21738

Surface Owner: Fee Mineral Owner: Lease No.

Directions:

SITE RANKING IS ZERO (6). Depth to Ground Water: >100' (approx. 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. ABIT crew repairing line. THT excavating
6/20/13	Initial C-141 to OCD, Allowing to dry before scraping & samp
6/25/13	Initial C-141 to OCD. Allowing to dry before scraping 6 samp TNT scraped impacted area 2-4". Sampled 51 652
	@ 1', 3', 5'. As Impacted Area still moist.
7/18/13	Met of Mike Bratcher. As Ked for further delineation
8(13/13	Sampled down to 15' of Trachoe Hit hard caliche
	lager. True hor could not break through. Had persprevio
	Sampled 7'611' on 7/9/13.
1/15/14	Taken Rig Coring Unit: 53-20' 625'
3/13/14	Sample 55 - Sur, 1', 2, 3'
1/22/14	OCO approved Work Plan
113/14	Did Mits held - TNT, Wild West, Nungry Horse
1 of 9/15-19/1	4 Bil was cleaned to award to Will West
/1/2015	Work helped due to begranic consons
20/2015	Production had lines changed, and busing the new line installation the contractor was able
	to excevate bontaminated soil and had it for disgood as well as install the liner under
	the new lines Since part of the Consdiction was completed by production, it will
	have to be ce-pid for the remainder of the work.
	This project will be worked simultaneously withouth Dayton Water Line (Gushwa)
	· · · · · · · · · · · · · · · · · · ·

#### **Chase Settle**

From: Patterson, Heather, EMNRD < Heather.Patterson@state.nm.us>

Sent:Wednesday, November 2, 2016 1:11 PMTo:Chase E. Settle; Bratcher, Mike, EMNRDSubject: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

energy opportunity growth



Client: Inspection Date: 2/7/2022 EOG Resources Inc. 2/7/2022 11:36 PM Site Location Name: Dayton FP Pipeline Report Run Date: Chase Settle I-21-18S-26E Client Contact Name: API#: 575-703-6537 Client Contact Phone #: Unique Project ID Project Owner: Project Reference # Project Manager: **Summary of Times** Arrived at Site 2/7/2022 8:20 AM 2/7/2022 3:02 PM **Departed Site** 

#### **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 Signature**

**Inspector:** Austin Harris



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 Signature**

**Inspector:** Sally Carttar



Client: EOG Resources Inc. Inspection Date: 2/11/2022 Dayton FP Pipeline 2/11/2022 10:23 PM Site Location Name: Report Run Date: Chase Settle API#: I-21-18S-26E Client Contact Name: 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 Signature**

**Inspector:** Sally Carttar



EOG Resources Inc. Inspection Date: 2/14/2022 Client: Dayton FP Pipeline 2/14/2022 11:34 PM Site Location Name: Report Run Date: Chase Settle API#: I-21-18S-26E Client Contact Name: 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 Signature**

**Inspector:** Sally Carttar



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 Signature**

**Inspector:** Sally Carttar



2/16/2022 Client: EOG Resources Inc. Inspection Date: Dayton FP Pipeline 2/16/2022 10:39 PM Site Location Name: Report Run Date: Chase Settle API#: I-21-18S-26E Client Contact Name: 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 Signature**

**Inspector:** Sally Carttar



2/17/2022 Client: EOG Resources Inc. Inspection Date:

2/17/2022 11:33 PM Dayton FP Pipeline Report Run Date: Site Location Name:

Chase Settle API#: I-21-18S-26E Client Contact Name:

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 Signature**

**Inspector:** Sally Carttar



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

Unique Project ID Project Owner: Project Reference # Project Manager:

**Summary of Times** 2/18/2022 8:15 AM Arrived at Site

**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 Signature**

**Inspector:** Sally Carttar



EOG Resources Inc. Client: Inspection Date: 2/22/2022 2/22/2022 11:46 PM Site Location Name: Dayton FP Pipeline Report Run Date: Chase Settle I-21-18S-26E Client Contact Name: API#: 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 2/22/2022 3:45 PM **Departed Site** 

#### **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 Signature**

**Inspector:** Sally Carttar

# **Daily Soil Sampling**



Client: Client: EOG Resources Inc.

Location: Site: Dayton FP Pipeline

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

Sampling											
		Field Screening							Data Collection		
		Hydro	ocarbon 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	~		<b>V</b>	
WES22-02	4.0	0	26				258			<b>V</b>	
WES22-03	4.0	0	40				595	~		<b>V</b>	
WES22-04	4.0	0	43				580	~		<b>V</b>	
WES22-05	4.0	0	41				423			<b>V</b>	
WES22-06	4.0	0	23				560			<b>✓</b>	
WES22-07	4.0	0	19				370			<b>V</b>	



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 Signature**

**Inspector:** Sally Carttar



EOG Resources Inc. Inspection Date: 2/24/2022 Client: Dayton FP Pipeline Report Run Date: 2/24/2022 10:44 PM Site Location Name: Chase Settle API#: I-21-18S-26E Client Contact Name: 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 Signature**

**Inspector:** Sally Carttar



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 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,

Andy Freeman

Laboratory Manager

Indest

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
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	95	60	mg/Kg	20	3/2/2022 10:44:29 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				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
EPA METHOD 8015D: GASOLINE RANGE					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
EPA METHOD 8021B: VOLATILES					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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- QL Practical Quanitative 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

Page 1 of 7

#### **Analytical Report**

Lab Order **2202B30**Date Reported: **3/4/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

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
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	490	60	mg/Kg	20	3/2/2022 10:56:53 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				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
EPA METHOD 8015D: GASOLINE RANGE					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
EPA METHOD 8021B: VOLATILES					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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative 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

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
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	420	61	mg/Kg	20	3/2/2022 11:09:18 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				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
EPA METHOD 8015D: GASOLINE RANGE					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
EPA METHOD 8021B: VOLATILES					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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative 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

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## **QC SUMMARY REPORT**

#### Hall Environmental Analysis Laboratory, Inc.

WO#: 2202B30

04-Mar-22

**Client:** EOG

Chloride

**Project:** Dayton FP Pipeline

Sample ID: MB-65907 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65907 RunNo: 86196

Prep Date: 3/2/2022 Analysis Date: 3/2/2022 SeqNo: 3038501 Units: mg/Kg

Analyte SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual

Chloride ND 1.5

Sample ID: LCS-65907 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65907 RunNo: 86196

1.5

Analysis Date: 3/2/2022 Prep Date: 3/2/2022 SeqNo: 3038502 Units: mg/Kg

15.00

SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** PQL HighLimit Qual Analyte 0

93.3

90

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

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#### **OC SUMMARY REPORT**

#### Hall Environmental Analysis Laboratory, Inc.

WO#: 2202B30 04-Mar-22

**Client: EOG** 

Sample ID: LCS-65799

**Project:** Dayton FP Pipeline

Sample ID: MB-65799 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 65799 RunNo: 86130 Prep Date: 2/25/2022 Analysis Date: 2/28/2022 SeqNo: 3036100 Units: mg/Kg Analyte **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 ND 50

Motor Oil Range Organics (MRO)

Surr: DNOP 10.00 108 51 1 141 11

Client ID: LCSS Batch ID: 65799 RunNo: 86130 Analysis Date: 2/28/2022 SeqNo: 3036101 Prep Date: 2/25/2022 Units: mg/Kg %REC SPK value SPK Ref Val %RPD **RPDLimit** Analyte Result **PQL** LowLimit HighLimit Qual Diesel Range Organics (DRO) 10 68.9 50 50.00 0 99.3 135 Surr: DNOP 5.1 5.000 102 51.1 141

TestCode: EPA Method 8015M/D: Diesel Range Organics

Sample ID: MB-65801 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: Batch ID: 65801 RunNo: 86130 PBS

SampType: LCS

Prep Date: 2/25/2022 Analysis Date: 2/28/2022 SeqNo: 3036104 Units: mg/Kg

SPK value SPK Ref Val %REC LowLimit Result **PQL** HighLimit %RPD **RPDLimit** Analyte 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: LCS-65801 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Batch ID: 65801 Client ID: LCSS RunNo: 86130

Analysis Date: 2/28/2022 Prep Date: 2/25/2022 SeqNo: 3036105 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 50 99.9 10 50.00 68.9 135 Surr: DNOP 5.2 5.000 103 51.1 141

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

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# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202B30 04-Mar-22** 

Client: EOG

**Project:** Dayton FP Pipeline

Sample ID: Ics-65787 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65787 RunNo: 86121

Prep Date: 2/24/2022 Analysis Date: 2/26/2022 SeqNo: 3034390 Units: mg/Kg

Analyte **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 5.0 25.00 97.8 24 78.6 131 Surr: BFB 1200 1000 119 70 130

Sample ID: mb-65787 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 65787 RunNo: 86121

Prep Date: 2/24/2022 Analysis Date: 2/26/2022 SeqNo: 3034392 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 103 70 130

Sample ID: Ics-65786 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65786 RunNo: 86123

Prep Date: 2/24/2022 Analysis Date: 2/25/2022 SeqNo: 3034593 Units: mg/Kg

SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result **PQL** Gasoline Range Organics (GRO) 27 0 78.6 5.0 25.00 108 131 Surr: BFB 1200 1000 118 70 130

Sample ID: mb-65786 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 65786 RunNo: 86123

Prep Date: 2/24/2022 Analysis Date: 2/26/2022 SeqNo: 3034594 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 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 Quanitative 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

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# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202B30** *04-Mar-22* 

Client: EOG

**Project:** Dayton FP Pipeline

Sample ID: LCS-65787	SampType: <b>LCS</b>			Tes	TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS	Batch ID: 65787			F	RunNo: 80					
Prep Date: 2/24/2022	Analysis D	ate: <b>2/</b> 2	26/2022	9	SeqNo: 30	034456	Units: mg/K	(g		
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: mb-65787	SampT	SampType: <b>MBLK</b>			TestCode: EPA Method 8021B: Volatiles					
Client ID: PBS	Batch ID: 65787			R	RunNo: 80					
Prep Date: 2/24/2022	Analysis D	ate: <b>2/</b> 2	26/2022	S	SeqNo: 30	034458	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.2	70	130			

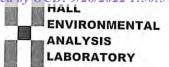
Sample ID: Ics-65786	SampType: <b>LCS</b>			Tes	TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS	Batcl	Batch ID: 65786			RunNo: 80					
Prep Date: 2/24/2022	Analysis D	Date: <b>2/</b> 2	25/2022	S	SeqNo: 30	034646	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%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>	Samp1	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	h ID: <b>65</b>	786	F	RunNo: 8	6123				
Prep Date: 2/24/2022	Analysis D	Date: 2/	26/2022	5	SeqNo: 3	034647	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		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 Quanitative 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

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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 Nun	nber: 2202B30		RcptNo: 1		
Received By: Joseph Alde	rette 2/24/2022 8:00:00	АМ	s#			
Completed By: Sean Livings	oton 2/24/2022 8:44:30	AM	< /	7		
Reviewed By: Jn 2/2	4/22		Salinge			
Chain of Custody						
1. Is Chain of Custody complete	?	Yes 🗸	No 🗆	Not Present		
2. How was the sample delivered	d?	Courier		21-7-22-3		
Log In						
3. Was an attempt made to cool	the samples?	Yes 🔽	No 🗌	NA 🗆		
4. Were all samples received at a	a temperature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆		
5. Sample(s) in proper container	(s)?	Yes 🔽	No 🗆			
6. Sufficient sample volume for in	dicated test(s)?	Yes 🗸	No 🗆			
7. Are samples (except VOA and		Yes 🗹	No 🗆			
8. Was preservative added to bot		Yes	No 🗹	NA 🗌		
9. Received at least 1 vial with he	adspace <1/4" for AQ VOA?	Yes 🗌	No 🗆	NA 🔽		
10. Were any sample containers re		Yes	No 🗸		/	
			#	of preserved ottles checked		
<ol> <li>Does paperwork match bottle k</li> <li>(Note discrepancies on chain o</li> </ol>		Yes 🗸		or pH:		
12. Are matrices correctly identified		Yes 🗸	No 🗆	(<2 or >12 Adjusted?	unless noted)	
3. Is it clear what analyses were re		Yes 🗸	No 🗆	/ -		
<ol> <li>Were all holding times able to be (If no, notify customer for author)</li> </ol>	pe met?	Yes 🗹	No 🗆	Checked by: TMC	2/21/22	
Special Handling (if applica			/ -			
15. Was client notified of all discre		Yes	No 🗆	NA 🗸		
Person Notified:	Date:			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
By Whom:	Via:		hone  Fax	In Person		
Regarding:			ene [] rux []	THE CLOSE		
Client Instructions:						
16. Additional remarks:						
7. Cooler Information						
The second secon	ondition Seal Intact Seal No	Seal Date	Signed By			
1 1.4 God	od					

HALL ENVIRONMENTAL ANALYSIS LABORATORY  www.hallenvironmental.com  www.hallenvironmental.com  4901 Hawkins NE - Albuquerque, NM 87109  Tel. 505-345-3975 Fax 505-345-4107  Analysis Request	PH: \$015D(GRO \ DRO \ MRO)  8081 Pesticides/8082 PCB's  EDB (Method 504.1)  PAHs by 8310 or 8270SIMS  RCRA 8 Metals  RCRA 8 Metals  RCRA 8 Metals  RCRA 8 Metals  Total Coliform (Present/Absent)		Ass.  Direct Sin Bog
	BTEX   MTBE / TMB's (8021)		Remarks:
Rush Pipeline 3-02	2ppin 120.1=1.4 (°C) ative HEAL No. 2202.6330	100 003	7   Date Time 2   Date Time Date Time
200	Carttur  Carttur  Yess  (Including CF): 1.5.  Preservative  Type		Via:
S daw Project Name: Dayfon Ff Project #: 226-0012	Project Manager:  M & M & M & Peppin Sampler:  On Ice:  # of Coolers:  Cooler Temp(induding cr): 1.5 - o.  Container  Preservative  Type and # Type	4 0351	Received by: Received by:
i: Eoch ig Address: On file e#:	4 (Full Validation)	WS22-01 0-4' WS22-03 0-4' WS22-04 0-4'	
on file	☐ Level☐ Az Compliance☐ Other☐ Matrix Sample	lies —	Relinquished by:
Client: EOC	6	25.75 03:60 03:60	
Client: Mailing A	email or Fax#:  QA/QC Package:  Standard  Accreditation:  Defer Time	7/27	Date: Time:

Dayton FP Battery Closure Report #nJMW1317739925



September 27, 2022

# **Appendix G**Disposal Manifest Summaries

energy opportunity growth



# 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: Lease:

YATES

.ease.

DAYTON FP BATTERY

Well:

Rig:

NON-DRILLING 205 0750

PO:

Memo:

Item	Qty	Desc	Price	Amount	Ticket	Doto	And all such literary			
Contaminated Soil (RCRA	20.00						Manifest #	3rd Party#	Co. Man	Trucking Co
Exempt)					774200	10/4/2016	2807		CHASE	TRUCKING &
Contaminated Soil (RCRA									SETTLE	CONTRACTING
Exempt)	20.00				774316	10/5/2016	NA NA			SERVICES
Exompty						10,0,2010	INA		CHASE	TRUCKING &
Contaminated Soil (RCRA	20.00								SETTLE	CONTRACTING
Exempt)	20.00				774319	10/5/2016	NA .		CHASE	SERVICES
. ,									SETTLE	TRUCKING &
Contaminated Soil (RCRA	20,00								SETTLE	CONTRACTING
Exempt)	20,00				774320	10/5/2016	NA		CHASE	SERVICES TRUCKING &
									SETTLE	CONTRACTING
Contaminated Soil (RCRA	20.00								SELLED	SERVICES
Exempt)					774321	10/5/2016	346		CHASE	TRUCKING &
									SETTLE	CONTRACTING
Contaminated Soil (RCRA	20.00		_	-	774322	10/5/0010				SERVICES
Exempt)					774322	10/5/2016	NA		CHASE	TRUCKING &
Ontominated Sell (DOD)									SETTLE	CONTRACTING
Contaminated Soil (RCRA Exempt)	20.00			7	774325	10/5/2016	NA NA			SERVICES
-xempt)					7-1020	10/3/2010	NA		CHASE	TRUCKING &
Contaminated Soil (RCRA	00.00								SETTLE	CONTRACTING
exempt)	20.00			7	74326	10/5/2016	NA NA		Office	SERVICES
						2.2010	1 177		CHASE	TRUCKING &
Contaminated Soil (RCRA	20.00								SETTLE	CONTRACTING
exempt)	∠∪.∪∪			7	74357	10/5/2016	346		CHASE	SERVICES
· •							- · <del>-</del>		SETTLE	TRUCKING &
									OLITE	CONTRACTING SERVICES



# R360 Environmental Solutions, LLC Permian Basin Region

P.O. Box 3452 Hobbs, NM 88241

> Bill To YATES

# Invoice

Date: Invoice #: 10/7/2016 C148987

Terms:

Due Upon Receipt

Generator:

YATES

; 1

DAYTON FP BATTERY

Lease: Well:

Rig:

NON-DRILLING

PO:

205 0750

Memo:

YATES 105 SOUT	H 4TH STREET					
	NM 88210-2177					
Contaminated Soil (RCRA Exempt)	20.00	774358	10/5/2016	NA	CHASE	TRUCKING &
. ,					SETTLE	CONTRACTING SERVICES
Contaminated Soil (RCRA	20.00	774359	10/5/2016	2237	CHASE	TRUCKING &
Exempt)					SETTLE	CONTRACTING
Contaminated Soil (RCRA	20,00	774000	40/5/0040			SERVICES
Exempt)	20.00	774360	10/5/2016	NA	CHASE	TRUCKING &
					SETTLE	CONTRACTING SERVICES
Contaminated Soil (RCRA	20.00	774362	10/5/2016	NA	CHASE	TRUCKING &
Exempt)					SETTLE	CONTRACTING
Contaminated Soil (RCRA	00.00				551120	SERVICES
Exempt)	20.00	774366	10/5/2016	NA	CHASE	TRUCKING &
=normpty					SETTLE	CONTRACTING
Contaminated Soil (RCRA	20.00	774388	10/5/2016	NA NA		SERVICES
Exempt)		774300	10/3/2010	INA	CHASE	TRUCKING &
					SETTLE	CONTRACTING SERVICES
Contaminated Soil (RCRA	20.00	774389	10/5/2016	NA	CHASE	TRUCKING &
Exempt)					SETTLE	CONTRACTING
Contaminated Soil (RCRA	20.00					SERVICES
Exempt)	20.00	774390	10/5/2016	NA	CHASE	TRUCKING &
,					SETTLE	CONTRACTING
Contaminated Soil (RCRA	20.00	774391	10/5/2016	NA	av. i an	SERVICES
Exempt)		114391	10/3/2016	NA	CHASE	TRUCKING &
					SETTLE	CONTRACTING SERVICES
Contaminated Soil (RCRA	20.00	774392	10/5/2016	NA	CHASE	TRUCKING &
Exempt)					SETTLE	CONTRACTING
Contaminated Soil (RCRA	20.00				<b>.</b>	SERVICES
Exempt)	20,00	774414	10/5/2016	NA	CHASE	TRUCKING &
					SETTLE	CONTRACTING
Contaminated Soil (RCRA	20.00	774416	10/5/2016	NA		SERVICES
Exempt)		774410	10/3/2016	NA	CHASE	TRUCKING &
					SETTLE	CONTRACTING SERVICES
Contaminated Soil (RCRA	20.00	774420	10/5/2016	NA	CHASE	TRUCKING &
Exempt)					SETTLE	CONTRACTING
Contaminated Soil (RCRA	20.00					SERVICES
Exempt)	20.00	774421	10/5/2016	NA	CHASE	TRUCKING &
					SETTLE	CONTRACTING
Contaminated Soil (RCRA	20.00	774424	10/5/2016	NA	GILLSE	SERVICES
Exempt)		114424	10/3/2010	INA	CHASE SETTLE	TRUCKING & CONTRACTING
					SELLE	SERVICES
Contaminated Soil (RCRA	20.00	774425	10/5/2016	NÁ	CHASE	TRUCKING &
Exempt)					SETTLE	CONTRACTING
Contaminated Soil (RCRA	20.00					SERVICES
Exempt)	20.00	774446	10/5/2016	NA	CHASE	TRUCKING &
					SETTLE	CONTRACTING
Contaminated Soil (RCRA	20.00	774447	10/5/2016	NA	CHASE	SERVICES
Exempt)		1144	10/3/2010	INA	CHASE SETTLE	TRUCKING &
					SELLES	CONTRACTING SERVICES
Contaminated Soil (RCRA	20.00	774448	10/5/2016	346	CHASE	TRUCKING &
Exempt)					SETTLE	CONTRACTING
Contaminated Soil (RCRA	20.00					SERVICES
Exempt)	20.00	774449	10/5/2016	NA	CHASE	TRUCKING &
• -/					SETTLE	CONTRACTING
						SERVICES



# 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

10/6/2016

Invoice

Date:

Terms:

Lease:

Well:

Rig:

PO:

Memo:

Invoice #:

Generator:

CHASE

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)

774509

SETTLE

Subtotal:

NM Sales Tax (6.8125%):

10/7/2016

Due Upon Receipt

NON-DRILLING

DAYTON FP BATTERY

C148987

YATES

205 0750

Total:

# **Summary of Products & Services**

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

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

# **EOG** Resources Weights Statement - Total Received

Danier Date	Manifest	7 N .	Weight (lbs.)	Waight (Tous)
Receive Date	Number	Lease Name	Weight (lbs.)	Weight (Tons)
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
		TOTAL	s: 1,292,080	646.04
			lbs.	Tons

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

# **EOG Resources Weights Statement - Total Received**

	Manifest			
Receive Date	Number	Lease Name	Weight (lbs.)	Weight (Tons)
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
			2 024 500	1 017 25
		TOTALS:	2,034,500	1,017.25
			lbs.	Tons

# 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 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 http://www.emnrd.state.nm.us/OCD/

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 147016

# **CONDITIONS**

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

## CONDITIONS

	eated Condition	Condition
Ву		Date
bh	nall None	2/13/2023