

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	NAB1422333946
District RP	2RP-2424
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # (assigned by OCD) NAB1422333946
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

### Location of Release Source

Latitude 32.64434 Longitude 104.51742  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Ross EG Federal #8	Site Type Well
Date Release Discovered 07/27/2014	API# 30-015-26948

Unit Letter	Section	Township	Range	County
I	19	19S	25E	Eddy

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

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 15	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Please refer to the attached original C-141 form for 2RP-2424 for cause of release and immediate action steps. EOG Resources is submitting for closure via the new form to formally close out this incident. All sampling and correspondence is also attached.



Incident ID	NAB1422333946
District RP	2RP-2424
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## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico  
Oil Conservation Division

Incident ID	NAB1422333946
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



State of New Mexico  
Oil Conservation Division

Incident ID	NAB1422333946
District RP	2RP-2424
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## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

State of New Mexico  
Oil Conservation Division

Incident ID	NAB1422333946
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## Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chase Settle Title: Rep Safety and Environmental Sr  
 Signature:  Date: 09/27/2021  
 email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

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

Form C-141  
Revised August 8, 2011

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

## Release Notification and Corrective Action

### OPERATOR

☐ Initial Report ☒ Final Report

Name of Company EOG Y Resources, Inc.	Contact Chase Settle
Address 104 S. 4 <sup>th</sup> Street	Telephone No. 575-748-1471
Facility Name Ross EG Federal #8	Facility Type Well

Surface Owner Fee	Mineral Owner Federal	API No. 30-015-26948
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### LOCATION OF RELEASE

Unit Letter I	Section 19	Township 19S	Range 25E	Feet from the 1980'	North/South Line South	Feet from the 660'	East/West Line East	County Eddy
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Latitude 32.64434 Longitude 104.51742

### NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 15 B/PW	Volume Recovered 0 B/PW
Source of Release Failure of produced water flow line	Date and Hour of Occurrence 7/27/2014; 10:30 AM	Date and Hour of Discovery 7/27/2014; 10:30 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

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

Describe Cause of Problem and Remedial Action Taken.\*

There was a failure of a produced water flow line causing a release of produced water.

Describe Area Affected and Cleanup Action Taken.\* An approximate area of 800' X 30' was affected running from north to south along the pipeline right of way. There was no standing fluid to be recovered so a backhoe was called to excavate impacted soil. Impacted soil will be hauled to NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 0) a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL's a work plan will be submitted to the OCD. Depth to Ground Water: >100' (approximately 185', Section 19, T19S-R25E, per Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. Closure requested based on completion of approved NMOCD work plan.

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

Signature: <i>Chase Settle</i>	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Chase Settle	Approved by Environmental Specialist:	
Title: Safety & Environmental Rep II	Approval Date:	Expiration Date:
E-mail Address: Chase.Settle@eogresources.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: April 12, 2018 Phone: 575-748-1471		

\* Attach Additional Sheets If Necessary

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State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19,15.29 NMAC.

### Release Notification and Corrective Action

**NAB 1422333946** **OPERATOR** ☒ Initial Report ☐ Final Report

Name of Company Yates Petroleum Corporation	25575	Contact Chase Settle
Address 104 S. 4 <sup>th</sup> Street		Telephone No. 575-748-4171
Facility Name Ross EG Federal #8		Facility Type Well
Surface Owner Fee	Mineral Owner Federal	API No. 30-015-26948

### LOCATION OF RELEASE

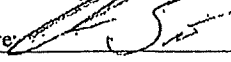
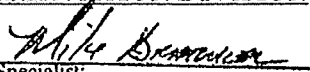
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	19	19S	25E	1980'	South	660'	East	Eddy

Latitude 32.64434 Longitude -104.51742

### NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 15 B/PW	Volume Recovered 0 B/PW
Source of Release Failure of produced water flow line	Date and Hour of Occurrence 7/27/2014; 10:30 AM	Date and Hour of Discovery 7/27/2014; 10:30 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* There was a failure of a produced water flow line causing a release of produced water.		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 800' X 30' was affected running from north to south along the pipeline right of way. There was no standing fluid to be recovered so a backhoe was called to excavate impacted soil. Impacted soil will be hauled to NMOCDD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 0) a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL's a work plan will be submitted to the OCD. Depth to Ground Water: >100' (approximately 185', Section 19, T19S-R25E, per Trend Map). Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCDD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCDD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCDD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		

### OIL CONSERVATION DIVISION

Signature: 	Signed By: 	
Printed Name: Chase Settle	Approved by Environmental Specialist:	
Title: Environmental Regulatory Agent	Approval Date: 8/11/14	Expiration Date: N/A
E-mail Address: csettle@yatespetroleum.com	Conditions of Approval: Remediation Per O.C.D. Rule & Guideline:	Attached <input type="checkbox"/>
Date: 08/07/2014 Phone: 575-748-4171		

\* Attach Additional Sheets If Necessary

SUBMIT REMEDIATION PROPOSAL NO  
LATER THAN: 8/11/14

2RP-2424

**Bratcher, Mike, EMNRD**

---

**From:** Chase Settle <CSettle@yatespetroleum.com>  
**Sent:** Thursday, August 07, 2014 1:05 PM  
**To:** Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD  
**Cc:** Bob Asher  
**Subject:** C-141 Ross EG Federal #8  
**Attachments:** C-141 Ross EG Federal #8.pdf

Mr. Bratcher,

Please find attached the C-141 Initial for the below listed location.

Ross EG Federal #8  
30-015-26948  
Section 19, T19S-R25E  
1980' FSL & 660' FEL  
Eddy County, New Mexico

Thanks,

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

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

April 12, 2018

Ms. Crystal Weaver  
NMOCD District II  
811 S. First St.  
Artesia, New Mexico 88210

Re: Ross EG Federal #8  
30-015-26948  
Section 19, T19S-R25E  
Eddy County, New Mexico  
2RP-2424

Ms. Weaver,

EOG Y Resources, Inc. is submitting the enclosed CLOSURE REPORT and C-141 Final for the above captioned remediation. The plan is being submitted in response to the C-141 report dated August 7, 2014 with a Work Plan that was approved on January 15, 2015.

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

Thank you.

EOG Y Resources, Inc.

Chase Settle  
Rep Safety & Environmental II



Ross EG Federal #8  
2RP-2424  
Closure Report



April 12, 2018

**EOG Y Resources, Inc.**

**CLOSURE REPORT**

**Ross EG Federal #8**

**30-015-26948**

**Section 19, T19S-R25E**

**Eddy County, New Mexico**

**April 12, 2018**

**2RP- 2424**



Ross EG Federal #8  
2RP-2424  
Closure Report



April 12, 2018

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**Photos**

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Appendix B: Analytical Data

Appendix C: Form C-141 Initial

Appendix D: Form C-141 Final

Ross EG Federal #8  
2RP-2424  
Closure Report



April 12, 2018

**I. Location**

From the intersection of US 285 and Rocking R Red Road, go west approximately 7 miles on Rocking R Red Road, and then southwest on lease road for 1.5 miles.

**II. Background**

On August 7, 2014, Yates submitted to the NMOCD District II office a Form C-141 for the release of 15 B/PW with 0 B/PW recovered. Excavation of visually impacted soils was undertaken within the release area and excavated soil was hauled to a NMOCD approved facility. The total affected area was approximately 800 feet by 30 feet. Initial delineation samples were taken in the R1, R2, and H1 areas (11/21/2014) and sent to a NMOCD approved laboratory (11/24/2014 and 12/2/2014, results enclosed). Based on analytical results (12/2/2014), Yates determined that further sampling was needed in the R areas due to an impermeable rock layer that made deeper delineation not practicable during the previous sampling. Additional sampling was conducted (1/7/2015) and sent to a NMOCD approved laboratory (1/8/2015, results enclosed).

**III. Surface and Ground Water**

Area surface geology is Paleozoic Permian. The ChevronTexaco Trend Map displays at this location (Section 19, T19S-R25E) that depth to groundwater is approximately 185 feet making the site ranking for this site a zero (0). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

The ranking for this site is zero (0) based on the as following:

Depth to ground water	> 100'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

**IV. Soils**

The area consists of soils that are caliche and loamy top soil which are interspersed with clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface. There is also an impermeable rock layer that ranges in depth from two (2) to four (4) feet below the excavated areas of the release.

**V. Scope of Work Completed**

After approval of the work plan by NMOCD on January 15, 2015, landowner issues prevented work from being completed on approximately a third of the site until November 30, 2017. Two thirds of the site (R areas) were excavated to the rock layer, which were depths of approximately one to two (1-2) feet on the northern plateaued portion and three to six (3-6) feet on the downhill side. This area was backfilled with caliche until two (2) feet bgs, then topsoil was used for the top two (2) feet. This work was completed in September of 2016.

The one third of the site remaining (H area) was already excavated to depths of approximately four (4) feet on the northern third, approximately five and a half (5 ½) feet in the middle third, and six to seven (6-7) feet in the southern third of the area. This area was backfilled with topsoil at the request of the landowner.

With all remedial activities completed according to the NMOCD approved work plan, a C-141 Final is submitted requesting closure for the site.

Ross EG Federal #8  
2RP-2424  
Closure Report



April 12, 2018

## Figure 1

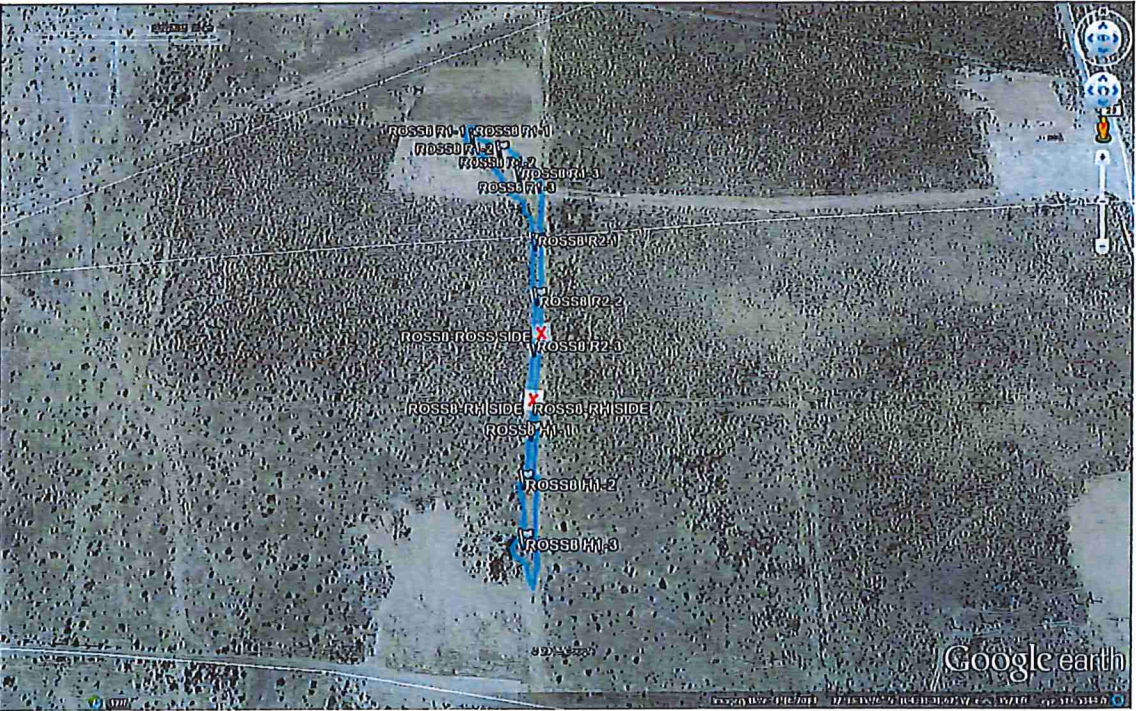
### Site Map



Ross EG Federal #8  
2RP-2424  
Closure Report



April 12, 2018



Ross EG Federal #8  
2RP-2424  
Closure Report



April 12, 2018

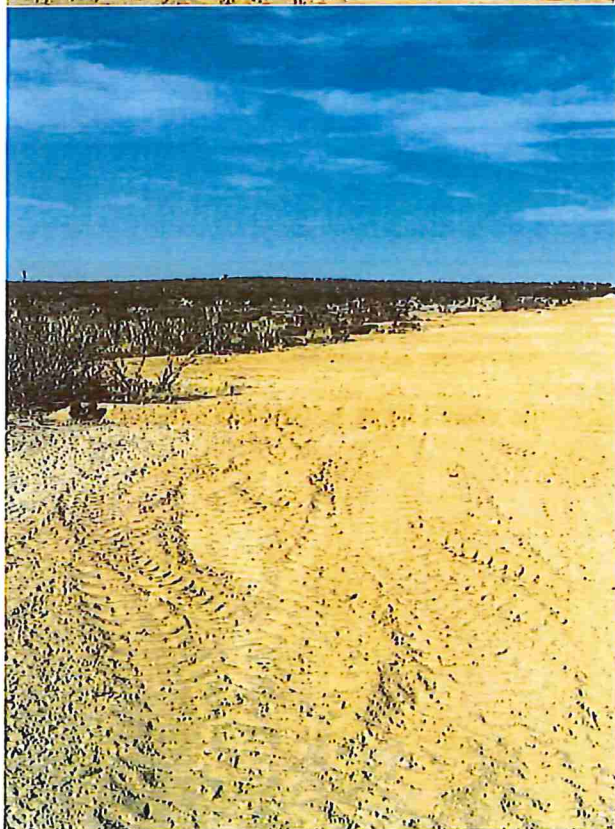
## Photos



Ross EG Federal #8  
2RP-2424  
Closure Report



April 12, 2018



Ross EG Federal #8  
2RP-2424  
Closure Report

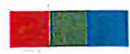
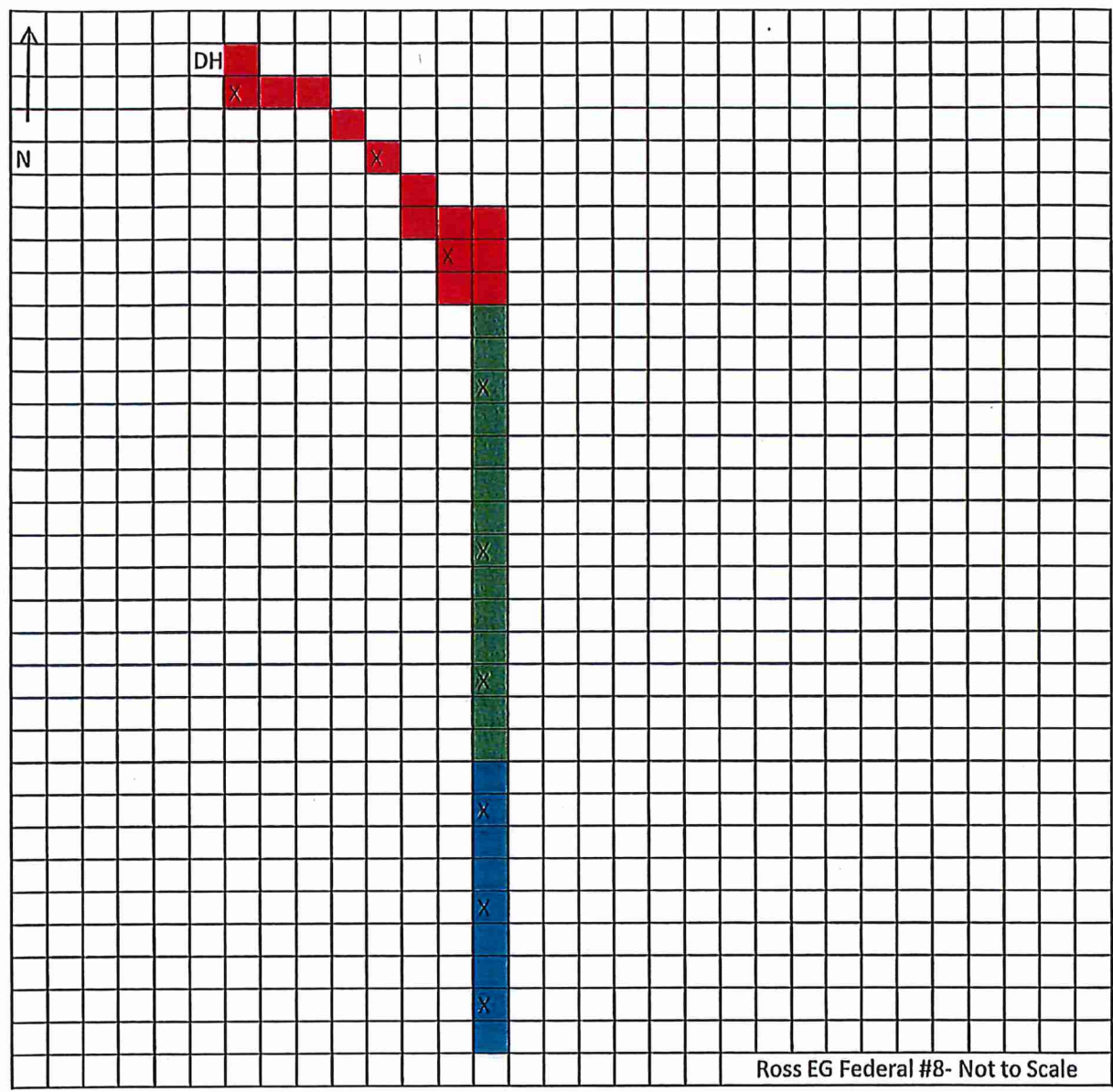


April 12, 2018

# Appendix A

## Sample Data Sheet





Release area



R1 Sample point



R2 Sample point



H1 Sample point

H403606	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
R1-1'	Release Area	11/21/2014	Backhoe	1'	<0.3	<10.0	5.0	3560
R1-2'	Release Area	11/21/2014	Backhoe	2'	<0.3	<10.0	5.0	6480
R2-1'	Release Area	11/21/2014	Backhoe	1'	<0.3	<10.0	5.0	1960
R2-3'	Release Area	11/21/2014	Backhoe	3'	<0.3	<10.0	5.0	5520
H403605	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
H1-1'	Release Area	11/21/2014	Backhoe	1'	<0.3	<10.0	5.0	704
H1-3'	Release Area	11/21/2014	Backhoe	3'	<0.3	<10.0	5.0	1960
H1-5'	Release Area	11/21/2014	Backhoe	5'	<0.3	<10.0	5.0	1250
H1-7'	Release Area	11/21/2014	Backhoe	7'	<0.3	<10.0	5.0	480
H500044	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
R- Rock Layer	Release Area	1/7/2015	Rockdrill	4+/-'	N/A	N/A	5.0	816

Site Ranking is Zero (0). >100' (185', Section 19, T19S-R25E, Trend Map

All results are ppm. Chlorides for documentation

Released: 15 B/PW; Recovered: 0 B/PW Release Date: 07/27/2014

Ross EG Federal #8  
2RP-2424  
Closure Report



April 12, 2018

# Appendix B

## Analytical Data



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

November 24, 2014

CHASE SETTLE

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: ROSS EG FEDERAL #8

Enclosed are the results of analyses for samples received by the laboratory on 11/21/14 14:55.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Hope S. Moreno For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 11/21/2014  
Reported: 11/24/2014  
Project Name: ROSS EG FEDERAL #8  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/21/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: H1-1' (H403605-01)**

BTEX 8021B			mg/kg							
			Analyzed By: ms							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/24/2014	ND	1.91	95.3	2.00	1.74		
Toluene*	<0.050	0.050	11/24/2014	ND	1.84	92.2	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.83	91.3	2.00	1.63		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.54	92.3	6.00	1.43		
Total BTEX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 97.4 % 61-154

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	11/24/2014	ND	400	100	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	11/22/2014	ND	218	109	200	1.70		
DRO >C10-C28	<10.0	10.0	11/22/2014	ND	216	108	200	0.276		

Surrogate: 1-Chlorooctane 118 % 47.2-157

Surrogate: 1-Chlorooctadecane 125 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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*Hope S. Moreno*

Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager





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CHASE SETTLE  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 11/21/2014  
Reported: 11/24/2014  
Project Name: ROSS EG FEDERAL #8  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/21/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: H1-3' (H403605-02)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2014	ND	1.91	95.3	2.00	1.74	
Toluene*	<0.050	0.050	11/24/2014	ND	1.84	92.2	2.00	1.54	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.83	91.3	2.00	1.63	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.54	92.3	6.00	1.43	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 96.5 % 61-154

Chloride, SM4500Cl-D	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	11/24/2014	ND	400	100	400	0.00	

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/22/2014	ND	218	109	200	1.70	
DRO >C10-C28	<10.0	10.0	11/22/2014	ND	216	108	200	0.276	

Surrogate: 1-Chlorooctane 124 % 47.2-157

Surrogate: 1-Chlorooctadecane 129 % 52.1-176

Cardinal Laboratories

\* = Accredited Analyte

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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager



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105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 11/21/2014  
Reported: 11/24/2014  
Project Name: ROSS EG FEDERAL #8  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/21/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: H1-5' (H403605-03)**

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/24/2014	ND	1.91	95.3	2.00	1.74		
Toluene*	<0.050	0.050	11/24/2014	ND	1.84	92.2	2.00	1.54		
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.83	91.3	2.00	1.63		
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.54	92.3	6.00	1.43		
Total BTX	<0.300	0.300	11/24/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 98.2 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	11/24/2014	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	11/22/2014	ND	218	109	200	1.70		
DRO >C10-C28	<10.0	10.0	11/22/2014	ND	216	108	200	0.276		

Surrogate: 1-Chlorooctane 123 % 47.2-157

Surrogate: 1-Chlorooctadecane 127 % 52.1-176

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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager





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105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 11/21/2014  
Reported: 11/24/2014  
Project Name: ROSS EG FEDERAL #8  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/21/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: H1-7' (H403605-04)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2014	ND	1.91	95.3	2.00	1.74	
Toluene*	<0.050	0.050	11/24/2014	ND	1.84	92.2	2.00	1.54	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.83	91.3	2.00	1.63	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	5.54	92.3	6.00	1.43	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PJC) 97.0 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	11/24/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/22/2014	ND	218	109	200	1.70	
DRO >C10-C28	<10.0	10.0	11/22/2014	ND	216	108	200	0.276	

Surrogate: 1-Chlorooctane 124 % 47.2-157

Surrogate: 1-Chlorooctadecane 129 % 52.1-176

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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*Hope S. Moreno*

Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager



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

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

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Project Name:**

**Ross EG Federal #8**

**Project Manager:** Chase Settle

Project #:

Comp: (505) 393-2325 Yates Petroleum Corporation

Project Loc: Ross EG Federal #8- Houghtaling Side

**Company Address:** 105 South 4th Street

**PO #: 205750**

City/State/Zip: Artesia. NM 88210

Report Format: ☒ Standard ☐ TRP ☐ NPDES

Telephone No: 575-748-4171

Fax No: 575-748-4131

**Sampler Signature:**

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

Sample Signature: _____ e-mail: <a href="mailto:csettle@vatesperpetuum.com">csettle@vatesperpetuum.com</a>	
(lab use only)	
ORDER #:	H403605
LAB # (Inb use only)	
	FIELD CODE
1 H1-1'	Beginning Depth
2 H1-3'	Ending Depth
3 H1-5'	Date Sampled
4 H1-7'	Time Sampled
	Field Filtered
	Total #. of Containers
	Ice
	HNO <sub>3</sub>
	HCl
	H <sub>2</sub> SO <sub>4</sub>
	NaOH
	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
	None
	Other (Specify)
	DW = Drinking Water SL = Sludge
	GW = Groundwater S = Soil Solid
	NP = Non-Potable Specify Other
	TPE: 418.1 0015M 40150
	TPE: TX 1005 TX 1000
	Cations (Ca, Mg, Na, K)
	Anions (Cl, SO <sub>4</sub> , Alkalinity)
	SAR / ESP / CEC
	Metals: As Ag Ba Cd Cr Pb Hg Se
	Volatiles
	Semi-volatiles
	BTEX 0021V5030 or BTEX B260
	RCI
	N.O.R.M.
	Chlorides
	SAR
	RUSH TAT (Pro-Schedule) 24, 48, 72 hrs
	Standard TAT

Special Instructions:	

Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	11/21/14		<i>[Signature]</i>	11/21/14	3:55
Relinquished by:	Date	Time	Received by ELOF:	Date	Time

Laboratory Comments:	
Sample Containers Intact?	N
VOCs Free of Headspace?	N
Labels on containers?	N
Custody seals on container(s)?	N
Custody seals on cooler(s)?	N
Sample Hand Delivered by Sampler/Client Rep.?	N
by Courier? UPS DHL FedEx Lone Star	N
Temperature Upon Receipt	3.8 °C



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

December 02, 2014

CHASE SETTLE  
YATES PETROLEUM CORPORATION  
105 S 4th Street  
Artesia, NM 88210

RE: ROSS EG FEDERAL #8

Enclosed are the results of analyses for samples received by the laboratory on 11/21/14 14:55.

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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





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**Analytical Results For:**

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

Received: 11/21/2014  
Reported: 12/02/2014  
Project Name: ROSS EG FEDERAL #8  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/21/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: R1-1' (H403606-01)**

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/01/2014	ND	1.60	80.0	2.00	13.3		
Toluene*	<0.050	0.050	12/01/2014	ND	1.61	80.7	2.00	12.3		
Ethylbenzene*	<0.050	0.050	12/01/2014	ND	1.58	79.0	2.00	13.8		
Total Xylenes*	<0.150	0.150	12/01/2014	ND	4.75	79.2	6.00	14.1		
Total BTEX	<0.300	0.300	12/01/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 99.7 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3560	16.0	11/24/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	11/25/2014	ND	202	101	200	1.12		
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	211	105	200	2.83		

Surrogate: 1-Chlorooctane 132 % 47.2-157

Surrogate: 1-Chlorooctadecane 149 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Received: 11/21/2014  
Reported: 12/02/2014  
Project Name: ROSS EG FEDERAL #8  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/21/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: R1-2' (H403606-02)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2014	ND	1.60	80.0	2.00	13.3	
Toluene*	<0.050	0.050	12/01/2014	ND	1.61	80.7	2.00	12.3	
Ethylbenzene*	<0.050	0.050	12/01/2014	ND	1.58	79.0	2.00	13.8	
Total Xylenes*	<0.150	0.150	12/01/2014	ND	4.75	79.2	6.00	14.1	
Total BTEX	<0.300	0.300	12/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.2 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	11/24/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2014	ND	202	101	200	1.12	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	211	105	200	2.83	

Surrogate: 1-Chlorooctane 129 % 47.2-157

Surrogate: 1-Chlorooctadecane 144 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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YATES PETROLEUM CORPORATION  
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Fax To: (505) 748-4635

Received: 11/21/2014  
Reported: 12/02/2014  
Project Name: ROSS EG FEDERAL #8  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/21/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: R2-1' (H403606-03)**

BTX 8021B		mg/kg		Analyzed By: CLK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/01/2014	ND	1.60	80.0	2.00	13.3		
Toluene*	<0.050	0.050	12/01/2014	ND	1.61	80.7	2.00	12.3		
Ethylbenzene*	<0.050	0.050	12/01/2014	ND	1.58	79.0	2.00	13.8		
Total Xylenes*	<0.150	0.150	12/01/2014	ND	4.75	79.2	6.00	14.1		
Total BTX	<0.300	0.300	12/01/2014	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	11/24/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	11/25/2014	ND	202	101	200	1.12		
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	211	105	200	2.83		

Surrogate: 1-Chlorooctane 127 % 47.2-157

Surrogate: 1-Chlorooctadecane 141 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. In claims involving 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 interruption, 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 are based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 11/21/2014  
Reported: 12/02/2014  
Project Name: ROSS EG FEDERAL #8  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 11/21/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: R2-3' (H403606-04)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2014	ND	1.73	86.5	2.00	6.14	
Toluene*	<0.050	0.050	11/26/2014	ND	1.71	85.5	2.00	6.80	
Ethylbenzene*	<0.050	0.050	11/26/2014	ND	1.71	85.3	2.00	7.55	
Total Xylenes*	<0.150	0.150	11/26/2014	ND	5.19	86.4	6.00	7.82	
Total BTEX	<0.300	0.300	11/26/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 101 % 61-154

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	11/24/2014	ND	416	104	400	3.92	
TPH 8015M	mg/kg		Analyzed By: ms						

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/26/2014	ND	197	98.5	200	2.78	
DRO >C10-C28	<10.0	10.0	11/26/2014	ND	208	104	200	0.274	

Surrogate: 1-Chlorooctane 127 % 47.2-157

Surrogate: 1-Chlorooctadecane 147 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

Cardinal Laboratories \*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

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

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Project Name:**

**Ross EG Federal #8**

**Project #:**

**Project Loc:**

**Ross EG Federal #8- Ross Side**

Page 7 of 7

**Project Manager:** Chase Settle

Comp: (505) 393-2326 Yates Petroleum Corporation

**Company Address:** 105 South 4th Street

City/State/Zip: Artesia, NM 88210

Telephone No: 575-748-4171

**Fax No:** 575-748-4131

**e-mail:**

[csettle@yatespetroleum.com](mailto:csettle@yatespetroleum.com)

### Report Format:

**Standard**

**TRRP**

☐ NPDES

PO #: 205750

(lab use only)

ORDER #: H44036006

[illegible]



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

January 08, 2015

CHASE SETTLE

YATES PETROLEUM CORPORATION

105 S 4th Street

Artesia, NM 88210

RE: ROSS EG FEDERAL #8

Enclosed are the results of analyses for samples received by the laboratory on 01/07/15 13:55.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/07/2015  
Reported: 01/08/2015  
Project Name: ROSS EG FEDERAL #8  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 01/07/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Jodi Henson

**Sample ID: R- ROCK LAYER (H500044-01)**

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	01/08/2015	ND	416	104	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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Notes and Definitions

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

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

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

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Project Name:**

**Ross EG Federal #8**

**Project Manager:** Chase Settle

## Chase Settle

1. Introduction

---

**Comp: (505) 393-2326 Yates Petroleum Corporation**

**Yates Petroleum Corporation**

Calligraphic (cursive) style

88-1111

### Summary of the case

---

City/State/Zip:

Artesia. NM 88210

City/State/Zip:

100

Telephone No:

575-748-1771

**Ordering Information:**

7

**Fax No:**

575-748-4131

**e-mail:**

[csattle@yatespetroleum.com](mailto:csattle@yatespetroleum.com)

### Report Format:

Standard

☐ TRRP

☐ NPDES

**PO #: 205750**

**Project Loc:**

Ross EG Federal #8- Ross Side

Page 4 of 4

Sample Signature:		e-mail: <a href="mailto:Jesse.Wyates@pacwest.com">Jesse.Wyates@pacwest.com</a>	
(lab use only)			
ORDER #:	H500044		
LAB # (lab use only)			
FIELD CODE	R-Rock Layer	Beginning Depth	Ending Depth
Date Sampled	1/7/2015	Time Sampled	10:30 AM
Field Filtered		Total fl. of Containers	1
Ico		HNO <sub>3</sub>	
HCl		H <sub>2</sub> SO <sub>4</sub>	
NaOH		Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	
None	X	Other (Specify)	
DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Sediment HP=Non-Potable Specify Other	S	Matrix	
TPH: 418.1 8015M 8015D		TPH: TX 1005 TX 1006	
Cations (Co, Mg, Na, K)		Anions (Cl, SO <sub>4</sub> , Alkalinity)	
SAR / ESP / CEC		Metals: As Ag Ba Cd Cr Pb Hg Se	
Volatiles		Semi-volatiles	
BTEX 80210/5030 or BTEX 8260		RCI	
N.O.R.M.		Chlorides	
SAR		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	
Standard TAT			
Reinforced by:	JSS	Date	1-7-15
Reinforced by:	JSS	Date	1-7-15
Received by:	JSS	Date	1/7/15
Received by:	JSS	Date	1/7/15
Received by ELDT:		Date	
Temperature Upon Receipt:	21.5 °C		
Laboratory Comments:	<p>Sample Containers Intact? <input checked="" type="checkbox"/></p> <p>VOCs Free of Headspace? <input checked="" type="checkbox"/></p> <p>Labels on container(s)? <input checked="" type="checkbox"/></p> <p>Custody seals on container(s)? <input checked="" type="checkbox"/></p> <p>Custody seals on cooler(s)? <input checked="" type="checkbox"/></p> <p>Sample Hand Delivered? <input checked="" type="checkbox"/></p> <p>by Carrier? UPS DHL FedEx Lone Star</p>		

Ross EG Federal #8  
2RP-2424  
Closure Report



April 12, 2018

# **Appendix C**

## **Form C-141 Initial**

energy opportunity growth

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesian, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised August 8, 2011

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

### Release Notification and Corrective Action

NAB 1422333946

#### OPERATOR

☒ Initial Report ☐ Final Report


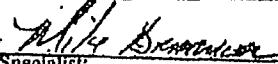
Name of Company Yates Petroleum Corporation	25575	Contact Chase Settle
Address 104 S. 4 <sup>th</sup> Street		Telephone No. 575-748-4171
Facility Name Ross EG Federal #8		Facility Type Well
Surface Owner Fee	Mineral Owner Federal	API No. 30-015-26948

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	19	19S	25E	1980'	South	660'	East	Eddy

Latitude 32.64434 Longitude -104.51742

#### NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 15 B/PW	Volume Recovered 0 B/PW
Source of Release Failure of produced water flow line	Date and Hour of Occurrence 7/27/2014; 10:30 AM	Date and Hour of Discovery 7/27/2014; 10:30 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully, N/A		
Describe Cause of Problem and Remedial Action Taken.* There was a failure of a produced water flow line causing a release of produced water.		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 800' X 30' was affected running from north to south along the pipeline right of way. There was no standing fluid to be recovered so a backhoe was called to excavate impacted soil. Impacted soil will be hauled to NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 0) a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL's a work plan will be submitted to the OCD. Depth to Ground Water: >100' (approximately 185', Section 19, T19S-R25E, per Trend Map). Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Chase Settle	Signed By:  Approved by Environmental Specialist:	
Title: Environmental Regulatory Agent	Approval Date: <u>8/11/14</u>	Expiration Date: <u>N/A</u>
E-mail Address: csettle@yatespetroleum.com	Conditions of Approval: Remediation Per O.C.D. Rule & Guideline:	Attached <input type="checkbox"/>
Date: 08/07/2014. Phone: 575-748-4171		

\* Attach Additional Sheets If Necessary

SUBMIT REMEDIATION PROPOSAL NO  
LATER THAN: 9/11/14

2RP-2424

Ross EG Federal #8  
2RP-2424  
Closure Report



April 12, 2018

# **Appendix D**

## **Form C-141 Final**



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

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

CONDITIONS  
  
Action 52264

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 52264
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	Work done as per pre-legacy time frame is approved as per work plan.	9/28/2021