

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	NAB1505030280
District RP	2RP-2824
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) NAB1505030280
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

### Location of Release Source

Latitude 32.73268 Longitude -104.38606  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Dayton Water Line (Gushwa DX #1)	Site Type Pipeline
Date Release Discovered 02/05/2015	API# 30-015-21703

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

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

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 5400	Volume Recovered (bbls) 5160
	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-2824 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.

State of New Mexico  
Oil Conservation Division

Incident ID	NAB1505030280
District RP	2RP-2824
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

**Initial Response**

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Rep Safety &amp; Environmental Sr</u>
Signature: <u></u>	Date: <u>09/27/2021</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

Incident ID	NAB1505030280
District RP	2RP-2824
Facility ID	
Application ID	

## 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 1/2-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	NAB1505030280
District RP	2RP-2824
Facility ID	
Application ID	

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	NAB1505030280
District RP	2RP-2824
Facility ID	
Application ID	

## 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	NAB1505030280
District RP	2RP-2824
Facility ID	
Application ID	

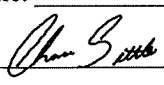
## Closure

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

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

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

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

Printed Name: Chase Settle Title: Rep Safety 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: 10/06/2021  
 Printed Name: Bradford Billings Title: Env.Spec.A

NOTE: This level of work approval would not be approved today. Additional work in future is a possibility. 10/6/2021



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

October 19, 2018

Ms. Maria Pruett  
NMOCD District II  
811 S. First St.  
Artesia, NM 88210

Re: Dayton Water Line (Gushwa DX #1)  
30-015-21703  
Section 21, T18S-R26E  
Eddy County, New Mexico  
2RP-2824

Ms. Pruett,

EOG Y Resources, Inc. is submitting the enclosed closure report for the above referenced site. The plan is being submitted subsequent to the approved remediation work plan which was approved by Mike Bratcher on May 24, 2018.

**EOG Y Resources, Inc. requests closure of 2RP-2824.**

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

Respectfully,

Chase Settle  
Rep Safety & Environmental II  
EOG Y Resources, Inc.



Dayton Water Line (Gushwa DX #1)  
Closure Report  
2RP-2824



October 19, 2018

**EOG Y Resources, Inc.**  
**Dayton Water Line (Gushwa DX #1)**  
**Closure Report**  
**Section 21, T18S-R26E**  
**Eddy County, New Mexico**  
**March 1, 2018**  
**2RP-2824**





**Table of Contents**

I.	Location.....	1
II.	Background.....	1
III.	Surface and Ground Water.....	1
IV.	NMOCD Ranking Criteria.....	2
V.	Soils.....	2
VI.	Work Completed.....	2

**Tables:**

Table 1: Soil Analytical Data

**Figures:**

Figure 1: Site Map with Sample Points

**Photos**

Excavation Photos

**Appendices:**

Appendix A: NMOSE Well Log Information

Appendix B: NMOCD Work Plan Approval Email

Appendix C: Form C-141 Initial

Appendix D: Form C-141 Final



October 19, 2018

## **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 February 18, 2015, Yates Petroleum Corporation submitted to the NMOCD District II office a Form C-141 for the release of 5400 B/PW with 5160 B/PW recovered. The total affected area is approximately 1000 feet by 230 feet on the west side of the railroad tracks running northeast from the south, 705 feet by 90 feet on the east side of the railroad tracks running to the north with 2 fingers splitting off to the east, one approximately 395 feet by 50 feet and the other 595 feet by 75 feet. The release was from failure of a six (6) inch produced water flow line. Initial delineation samples were taken (3/10/2015 and 3/11/2015) and sent to a NMOCD approved laboratory (3/18/2015 and 3/19/2015, results enclosed). Further sampling was conducting (4/2/2015) and sent to a NMOCD approved laboratory (4/14/2015, results enclosed). Sampling again occurred in the S1 area for further delineation of chlorides (4/22/2015) and sent to a NMOCD approved laboratory (4/28/2015, results enclosed).

The work plan was originally submitted on August 17, 2015. NMOCD had a number of requests including a water well investigation and further delineation of the S1 area to a target of 250 mg/kg. The water well investigation was completed August 28, 2015, through this investigation it was determined that the correct site ranking is zero (0) since depth to ground water is approximately 140 feet.

On November 15, 2016, a core rig was contracted to perform further delineation of the S1 area. Samples were collected beginning at five (5) feet below ground surface (bgs) to a depth of thirty (30) feet bgs. These samples were sent to NMOCD approved laboratory (12/02/16, results enclosed). At this time, it was discovered that the S3 and S4 areas had completely recovered in regards to vegetation. So samples were collected December 13, 2016 and again on January 5, 2017, in the S3 and S4 areas to determine how the chloride may have migrated. These samples were sent to a NMOCD approved laboratory for analysis (12/28/16 and 01/05/2017, results enclosed). After the results were collected, EOG representatives tried to get an onsite meeting set up with NMOCD. After one cancelled meeting on May 4, 2017, no other attempts to set up an onsite meeting were accomplished.

On March 2, 2018, EOG Y Resources, Inc. submitted a remediation to NMOCD District II office. That plan was approved without stipulations on May 24, 2018.

## **III. Surface and Ground Water**

Area surface geology ranges from Cenozoic Quaternary to Paleozoic Permian. Based on information from the New Mexico Office of the State Engineer database regarding this location (Section 21, T18S-R26E), depth to groundwater is approximately 140 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.



#### IV. NMOCD Ranking Criteria

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

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

Based on the ranking criteria, the NMOCD established RRALs for this site are:

Benzene	10 ppm
BTEX	50 ppm
TPH	5000 ppm
Chlorides	No established RRAL

#### V. Soils

The area consists of soils that are loam based topsoil with deeper layers consisting of primarily packed clay which provides a permeability barrier to prohibit vertical percolation of contaminants into the subsurface water systems.

#### VI. Work Completed

Based on the analytical results, the depth to groundwater (140'), and a decrease in chlorides, EOG Y Resources, Inc. excavated four (4) feet of impacted soil within the S2 release area, hauling this excavated soil to a NMOCD approved facility. EOG also excavated four (4) feet in the S1 release area, hauling the excavated soil to a NMOCD approved facility. EOG then installed a 20 ml synthetic liner within the excavated release area and backfilled with the entire excavation with similar topsoil sourced within a half mile. After the excavated area was backfilled, it was revegetated according to the private surface owner's desired objectives.

Due to the vegetative growth in the S3 and S4 sample areas, and approval by NMOCD, no work was conducted. This area has recovered in regards to vegetation and has a tremendous population of native grass that is thriving compared to the surrounding area.

No work was performed in the Right of Way, 100 feet in each direction from center of tracks, of the railroad tracks per their request with concerns for railway safety.

The TPH & BTEX are within the RRAL's for BTEX (50 ppm) and TPH (5000 ppm) for the Total Ranking Score of zero (0), no further analytical testing of TPH, BTEX, and/or chlorides was conducted. Remediation work is complete, a C-141 Final Report is hereby submitted to the NMOCD requesting closure of the site.

Dayton Water Line (Gushwa DX #1)  
Closure Report  
2RP-2824



October 19, 2018

# Table 1

## Soil Analytical Data

Dayton Water Line (Gushwa DX #1)  
Closure Report  
2RP-2824



October 19, 2018

Soil Analytical Data

Sample ID	Depth (ft. bgs)	Date	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH EXT DRO	Total TPH	Chlorides
RR 1-1'	1'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	5440
RR 1-2'	2'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	5440
RR 1-3'	3'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	5680
RR 2-1'	1'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	5440
RR 2-2'	2'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	3080
RR 3-1'	1'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	7040
RR 3-2'	2'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	3480
RR 3-3'	3'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	1680
RR 4-1'	1'	3/10/15	<0.05	0.066	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	6000
RR 4-2'	2'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	3360
RR 5-1'	1'	3/10/15	0.271	0.278	<0.05	<0.15	0.549	<10.0	<10.0	-	<10.0	7040
RR 5-2'	2'	3/10/15	1.53	0.970	0.111	<0.15	2.61	<10.0	<10.0	-	<10.0	8640
RR 6-1'	1'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	6160
RR 6-2'	2'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	1150
RR 7-1'	1'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	4960
RR 8-1'	1'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	5840
RR 8-2'	2'	3/10/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	4720
S1-1'	1'	3/11/15	<0.05	0.069	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	6880
S1-2'	2'	3/11/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	7120
S1-3'	3'	4/2/15	-	-	-	-	-	-	-	-	-	6720
S1-5'	5'	4/2/15	-	-	-	-	-	-	-	-	-	8160
S1-7'	7'	4/2/15	-	-	-	-	-	-	-	-	-	6160
S1-9'	9'	4/2/15	-	-	-	-	-	-	-	-	-	7040
S1-10'	10'	4/22/15	-	-	-	-	-	-	-	-	-	7040
S1-11'	11'	4/22/15	-	-	-	-	-	-	-	-	-	8000
S1-12'	12'	4/22/15	-	-	-	-	-	-	-	-	-	7280
S1-13'	13'	4/22/15	-	-	-	-	-	-	-	-	-	7120
S1-14'	14'	4/22/15	-	-	-	-	-	-	-	-	-	5280
S1-15'	15'	4/22/15	-	-	-	-	-	-	-	-	-	3040
S1-15.5'	15.5'	4/22/15	-	-	-	-	-	-	-	-	-	2040
S1C-5'	5'	11/15/16	-	-	-	-	-	-	-	-	-	6800
S1C-10'	10'	11/15/16	-	-	-	-	-	-	-	-	-	1400
S1C-15'	15'	11/15/16	-	-	-	-	-	-	-	-	-	70
S1C-20'	20'	11/15/16	-	-	-	-	-	-	-	-	-	ND
S1C-25'	25'	11/15/16	-	-	-	-	-	-	-	-	-	ND
S1C-30'	30'	11/15/16	-	-	-	-	-	-	-	-	-	ND
S2-1'	1'	3/11/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	8000
S2-2'	2'	3/11/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	86.6	-	86.6	12300
S2-3'	3'	4/2/15	-	-	-	-	-	-	-	-	-	10100
S2-5'	5'	4/2/15	-	-	-	-	-	-	-	-	-	4240
S2-7'	7'	4/2/15	-	-	-	-	-	-	-	-	-	240
S2-9'	9'	4/2/15	-	-	-	-	-	-	-	-	-	192
S3-1'	1'	3/11/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	6720
S3-2'	2'	3/11/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	4400
S3-3'	3'	4/2/15	-	-	-	-	-	-	-	-	-	384
S3-5'	5'	4/2/15	-	-	-	-	-	-	-	-	-	32
S3-7'	7'	4/2/15	-	-	-	-	-	-	-	-	-	144
S3-9'	9'	4/2/15	-	-	-	-	-	-	-	-	-	<16.0
S4-1'	1'	3/11/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	4560
S4-2'	2'	3/11/15	<0.05	<0.05	<0.05	<0.15	<0.3	<10.0	<10.0	-	<10.0	2560
S4-3'	3'	4/2/15	-	-	-	-	-	-	-	-	-	704
S4-5'	5'	4/2/15	-	-	-	-	-	-	-	-	-	128
S4-7'	7'	4/2/15	-	-	-	-	-	-	-	-	-	<16.0
S4-9'	9'	4/2/15	-	-	-	-	-	-	-	-	-	<16.0
S3-1-1'	1'	12/13/16	-	-	-	-	-	-	-	-	-	58
S3-1-2'	2'	12/13/16	-	-	-	-	-	-	-	-	-	32
S3-1-3'	3'	12/13/16	-	-	-	-	-	-	-	-	-	68
S3-1-4'	4'	12/13/16	-	-	-	-	-	-	-	-	-	1800

energy opportunity growth

Dayton Water Line (Gushwa DX #1)  
Closure Report  
2RP-2824



October 19, 2018

S3-1-6'	6'	1/5/17	-	-	-	-	-	-	-	-	-	2100
S3-1-8'	8'	1/5/17	-	-	-	-	-	-	-	-	-	1000
S3-1-10'	10'	1/5/17	-	-	-	-	-	-	-	-	-	890
S3-1-12'	12'	1/5/17	-	-	-	-	-	-	-	-	-	ND
S3-1-14'	14'	1/5/17	-	-	-	-	-	-	-	-	-	ND
S3-2-1'	1'	12/13/16	-	-	-	-	-	-	-	-	-	67
S3-2-2'	2'	12/13/16	-	-	-	-	-	-	-	-	-	ND
S3-2-3'	3'	12/13/16	-	-	-	-	-	-	-	-	-	ND
S3-2-4'	4'	12/13/16	-	-	-	-	-	-	-	-	-	ND
S4-1-1'	1'	12/13/16	-	-	-	-	-	-	-	-	-	47
S4-1-2'	2'	12/13/16	-	-	-	-	-	-	-	-	-	ND
S4-1-3'	3'	12/13/16	-	-	-	-	-	-	-	-	-	330
S4-1-4'	4'	12/13/16	-	-	-	-	-	-	-	-	-	2100
S4-1-6'	6'	1/5/17	-	-	-	-	-	-	-	-	-	2300
S4-1-8'	8'	1/5/17	-	-	-	-	-	-	-	-	-	ND
S4-1-10'	10'	1/5/17	-	-	-	-	-	-	-	-	-	ND
S4-1-12'	12'	1/5/17	-	-	-	-	-	-	-	-	-	ND
S4-1-14'	14'	1/5/17	-	-	-	-	-	-	-	-	-	ND
S4-2-1'	1'	12/13/16	-	-	-	-	-	-	-	-	-	ND
S4-2-2'	2'	12/13/16	-	-	-	-	-	-	-	-	-	ND
S4-2-3'	3'	12/13/16	-	-	-	-	-	-	-	-	-	580
S4-2-4'	4'	12/13/16	-	-	-	-	-	-	-	-	-	2700
S4-2-6'	6'	1/5/17	-	-	-	-	-	-	-	-	-	2500
S4-2-8'	8'	1/5/17	-	-	-	-	-	-	-	-	-	840
S4-2-10'	10'	1/5/17	-	-	-	-	-	-	-	-	-	120
S4-2-12'	12'	1/5/17	-	-	-	-	-	-	-	-	-	37
S4-2-14'	14'	1/5/17	-	-	-	-	-	-	-	-	-	ND

Dayton Water Line (Gushwa DX #1)  
Closure Report  
2RP-2824



October 19, 2018

# Figure 1

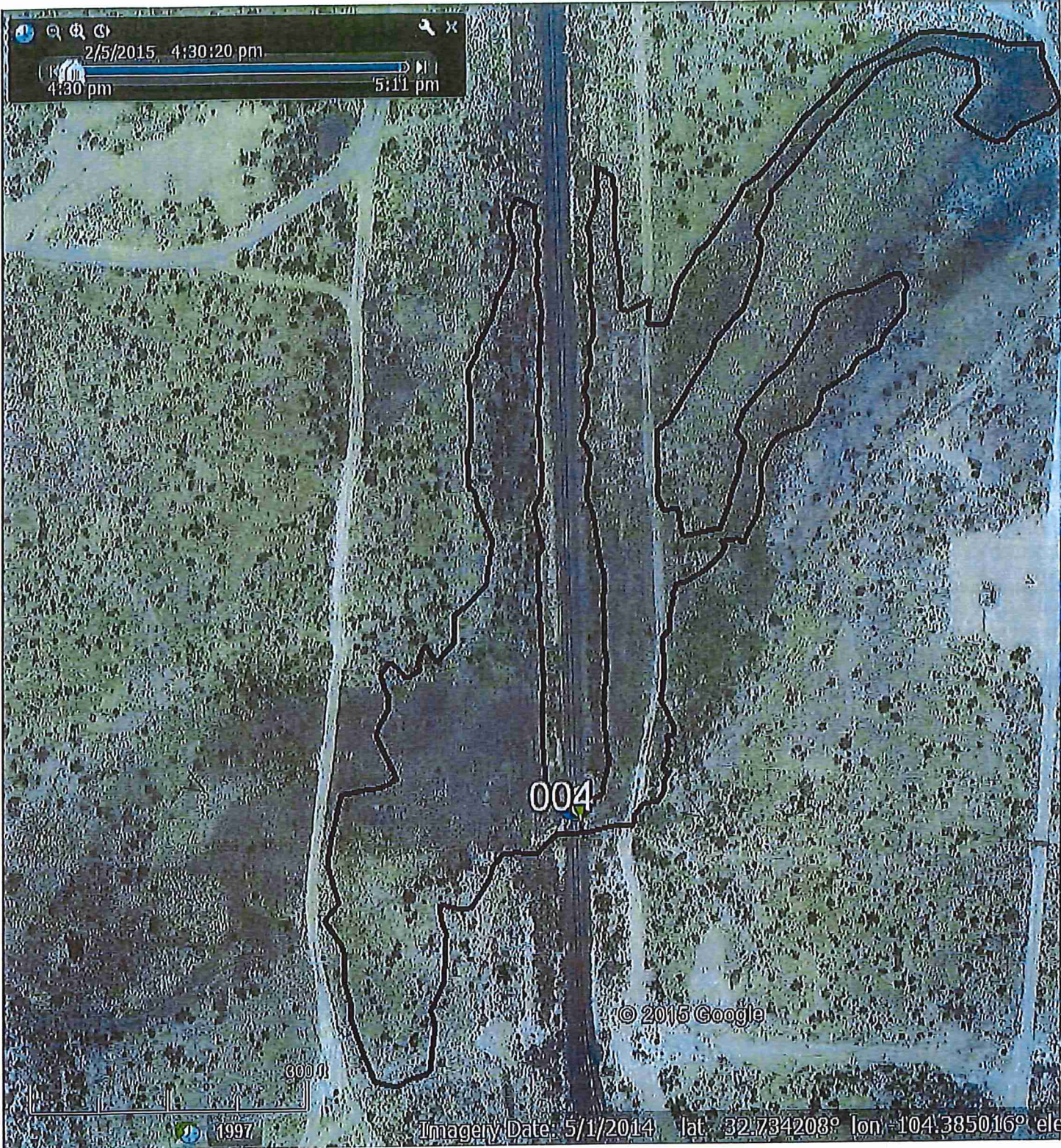
## Site Map with Sample Points







W. side of tracks- 1000'X230' (at widest point), E. side of tracks- 705'X90' along tracks, S. Finger- 395'X50', N. Finger- 595'X75'





# Photos

## Excavation Photos







Dayton Water Line (Gushwa DX #1)  
Closure Report  
2RP-2824



October 19, 2018

# Appendix A

## NMOSE Well Log



## New Mexico Office of the State Engineer Wells with Well Log Information

(A CLWIIIIIIII In the  
POD suffix indicates  
the POD has been  
replaced & no longer  
serves a water right  
file.)

(R=POD has  
been replaced,  
O=orphaned,  
C=the file is  
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

POD Number	POD Sub.	Code	basin	County	Source	64164	Sec	Twp	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	Licensor Number
<a href="#">RA 08102</a>		ED	Shallow				21	10S	20E	657447	3021093'	141	11/22/1976	11/30/1976	12/03/1976	202	130		655
<a href="#">RA 09763</a>		ED	Shallow			4 1 4	21	10S	20E	657740	3021692'	352	07/23/1999	07/20/1999	08/05/1999	240	140		703
<a href="#">RA 04287</a>		ED	Shallow			1 2 4	21	10S	20E	657951	3021792'	300	08/20/1960	08/23/1960	12/29/1960	170	140	WILLARD BEATTY	62

Record Count: 3

UTM NAD83 Radius Search (in meters):

Easting (X): 657607.66

Northing (Y): 3021008.30

Radius: 457.2

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/25/15 1:28 PM

Page 1 of 1

WELLS WITH WELL LOG INFORMATION



# **Appendix B**

## **NMOCD Work Plan Approval Email**

**Chase Settle**

---

**From:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>  
**Sent:** Thursday, May 24, 2018 10:16 AM  
**To:** Chase Settle; Weaver, Crystal, EMNRD  
**Cc:** Yvette Moore; Bob Asher  
**Subject:** RE: Dayton Water Line (Gushwa DX #1) Work Plan pt 1

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

RE: EOG Y \* Dayton Water Line (Gushwa DX 1) \* 2RP-2824 \* DOR: 2/15/15

Chase,

Your latest proposal for remediation of the above referenced release is approved. Please advise once remedial activities have been scheduled.

Thank you,

Mike Bratcher  
 NMOCD District 2  
 811 South First Street  
 Artesia, NM 88210  
 575-748-1283 Ext 108

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

**From:** Chase Settle <Chase\_Settle@eogresources.com>  
**Sent:** Friday, March 2, 2018 8:38 AM  
**To:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>  
**Cc:** Yvette Moore <Yvette\_Moore@eogresources.com>; Bob Asher <Bob\_Asher@eogresources.com>  
**Subject:** Dayton Water Line (Gushwa DX #1) Work Plan pt 1

Mike,

Per our meeting today (3/1/18 @ 1 p.m.) at your office, I looked up the notes on the Railroad ROW, it is 100 feet either side of their tracks. Attached is Part 1 of 3 of the work plan in electronic form as you requested.

Thank you,

**Chase Settle, M.S.**  
**Rep Safety & Environmental II**

EOG Resources  
 105 S. 4<sup>th</sup> Street  
 Artesia, NM 88210

# Appendix C

## C-141 Initial

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

State of New Mexico  
Energy Minerals and Natural Resources

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

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

FEB 18 2015

Form C-141  
Revised August 8, 2011

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

RECEIVED

**Release Notification and Corrective Action**

**NAB1505030280**

**OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company Yates Petroleum Corporation	Contact Chase Settle
Address 104 S. 4 <sup>th</sup> Street, Artesia, NM 88210	Telephone No. 575-748-4171
Facility Name Dayton Water Line (Gushwa DX #1)	Facility Type Pipeline

Surface Owner Fee	Mineral Owner	API No. 30-015-10975
----------------------	---------------	-------------------------

**LOCATION OF RELEASE**

**30015-21703**

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

Latitude **32.73268** Longitude **-104.38606**

**NATURE OF RELEASE**

Type of Release Produced Water	Volume of Release 5400 B/PW	Volume Recovered 5160 B/PW
Source of Release 6 inch PVC produced water line	Date and Hour of Occurrence 2/5/2015; a.m.	Date and Hour of Discovery 2/5/2015; 10:40 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher, Heather Patterson, Randy Dade	
By Whom? Amber Cannon	Date and Hour 2/5/2015; 11:20 a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

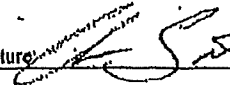
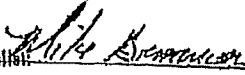
If a Watercourse was Impacted, Describe Fully.\*  
N/A

Describe Cause of Problem and Remedial Action Taken.\*

There was a failure of the 6 in. PVC water line, causing a release of produced water.

Describe Area Affected and Cleanup Action Taken.\* An approximate area of 1,000' X 230' was affected on the west side of the railroad tracks running south to northeast, 705' X 90' was affected on the east side of the railroad tracks running south to north with 2 fingers splitting off to the east, one approximately 395' X 50' and the other 595' X 75'. Vacuum trucks were called to remove standing fluid, and impacted soils will be excavated and hauled to a 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 10) a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL's a work plan will be submitted to the OCD. Depth to Ground Water: 50-99' (approximately 75', Section 21, T18S-R26E, per Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 10.

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 poses 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 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Chase Settle	Approved by Environmental Specialist 	
Title: NM Environmental Regulatory Agent	Approval Date: 2/19/15	Expiration Date: N/A
E-mail Address: csettle@yatespetroleum.com	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines Attached <input type="checkbox"/>	
Date: 02/18/2015	Phone: 575-748-4171	SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 3/19/15

2RP-2824

# Appendix D

## 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 54079

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 54079
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	Level of work approved would not be approved today, additional work in future is possible	10/6/2021