

May 6, 2022

Project #19034-0006

Mr. Bob Asher 104 South 4th Street Artesia, New Mexico

Phone: (575) 748-4217

E-mail: bob asher@eogresources.com

RE: Kent Vent Wells Closure Report; Penasco Water Line, Incident # NJMW1315048005

Dear Mr. Asher,

Envirotech, Inc. (Envirotech) of Farmington, New Mexico, was contracted EOG Resources (EOG) to provide vent well abandonment oversight for the closure of a 2013 produced water release at the Penasco Water Line (site). The site is located near the Kent BSK #1H well site (API: 30-015-40161) located within Unit P, Section 20, Township 18 South, Range 26 East in Eddy County, New Mexico, see **Figure 1**, *Vicinity Map*.

Vent Well Abandonment

Vent well abandonment activities were performed in accordance with the agreement between EOG (then Yates Petroleum Corporation) and the New Mexico Oil Conservation Division (NMOCD) documented on page 6 of the C-141 received and approved by the NMOCD in May 2013 and October 2021; see **Appendix A**, **Regulatory Documentation**.

On January 3, 2022, the two (2) passive vent well systems installed by EOG contractors in November 2014 were plugged and abandoned. The two (2) vent wells consisted of three (3) cores per well. The vent wells were exposed during remediation excavation activities that took place between November 16, 2021 and January 4, 2022. The cores were cut at five (5) feet below ground surface (bgs), filled with bentonite, and capped in place. The area was then backfilled with non-waste containing material. Vent well locations and abandonment activities are illustrated in **Figure 2**, **Site Map** and **Appendix B**, **Site Photography**.

Summary and Conclusions

During remediation excavation activities, two (2) passive vent well systems installed in November 2014, were plugged and abandoned on January 3, 2022 as per the agreement between EOG and NMOCD; therefore, Envirotech recommends requesting a **No Further Action** status from the NMOCD regarding the Kent Vent Wells closure.

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EOG Resources Vent Well Closure Report Incident # NJMW1315048005 Page 2

We appreciate the opportunity to be of service. If you have any questions or if you need additional information, please contact our office at (505) 632-0615.

Sincerely,

ENVIROTECH INC.

Brittany Hall

Environmental Staff Scientist

bhall@envirotech-inc.com

Figures:

Figure 1, Vicinity Map

Figure 2, Site Map

Appendices:

Appendix A, Regulatory Documentation

Appendix B, Site Photography

Cc:

Client File 19034

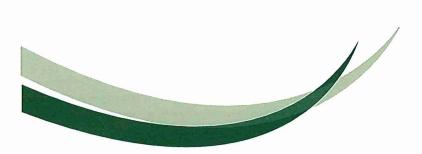


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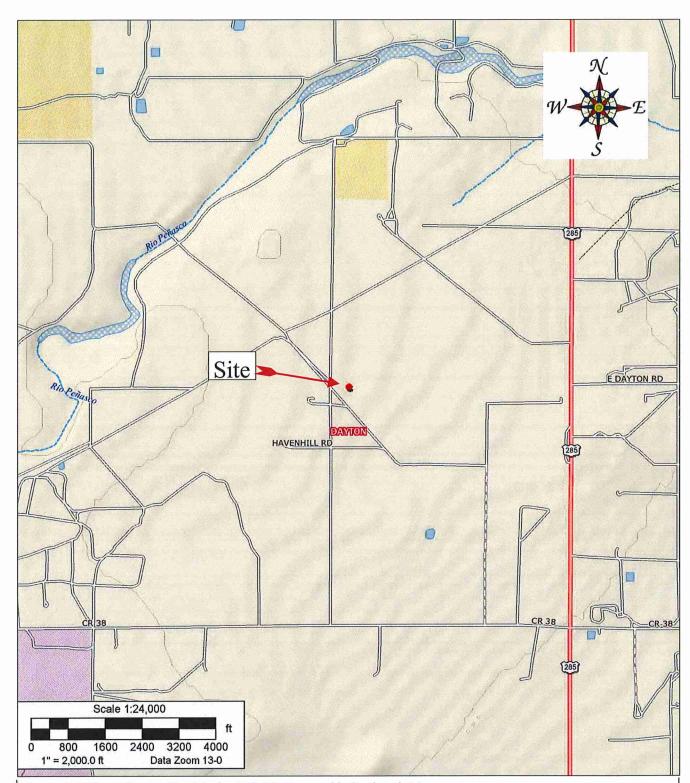
Figures



Figure 1, *Vicinity Map*Figure 2, *Site Map*







Source: 7.5 Minute, Dayton, New Mexico U.S.G.S. Topographic Quadrangle Map

Scale: 1:24,000 1" = 2,000

EOG Resources Vent Well Closure Report Penasco Water Line Sections 20 & 29, T18S, R26E Eddy County, New Mexico 32.72595, -104.41153

Project Number: 19034-0006

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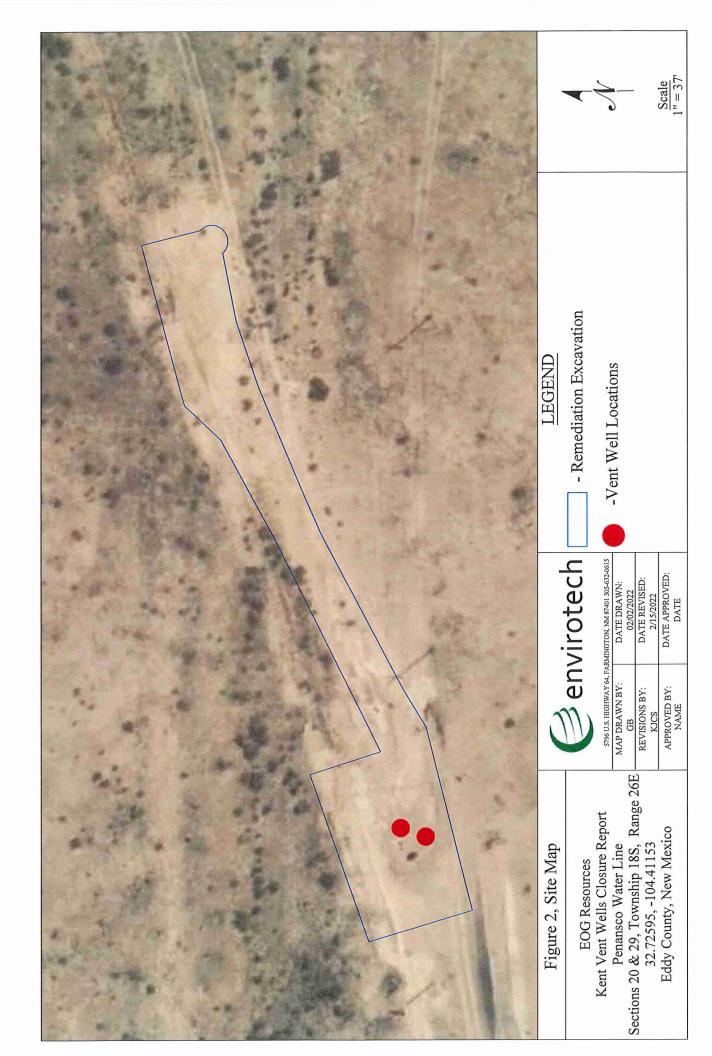
Date Drawn: 02/08/2022



5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505,632,0615 Vicinity Map

Figure #1

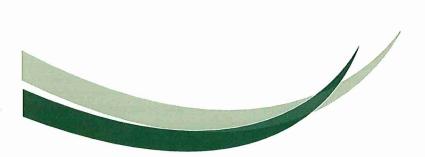
DRAWN BY: Brittany Hall PROJECT MANAGER: Felipe Aragon



Appendix A



Regulatory Documentation





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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	NJMW1315048005
District RP	2RP-1667
Facility ID	
Application ID	

Release Notification

Responsible Party

Canta -L XI	Responsible Party EOG Resources, Inc. Contact Name Chase Settle			OGRID 7		
						elephone 575-748-1471
Contact ema	^{II} Chase_	Settle@eogre	sources.com			NJMW1315048005
Contact mail	ling address	104 S. 4th Str	eet, Artesia, N	8 MV	8210	
			Location	of R	Release S	ource
atitude <u>32</u>	.72988		(NAD 83 in de	cimal de	Longitude	-104.39539 mal places)
Site Name p	enasco W	ater Line (nea	r Kent BSK #1h		Site Type	Water Line
Date Release	Discovered	05/15/2013			API# 30-01	15-40161
Unit Letter	Section	Tormshin	Dance	r		
		Township	Range		Cour	nty
Р	20	18\$	26E	L	Eddy	
Crude Oil		Volume Release	d (bbls) 15			ustification for the volumes provided below) Volume Recovered (bbls) 8
X Produced	Water	Volume Release	d (bbis)			Volume Recovered (bbls)
		Is the concentrate produced water	ion of dissolved c >10,000 mg/l?	hloride	e in the	X Yes □ No
Condensa	te	Volume Release				Volume Recovered (bbls)
Natural G	as	Volume Release	d (Mcf)			Volume Recovered (Mcf)
Other (de:	scribe)	Volume/Weight	Released (provide	units))	Volume/Weight Recovered (provide units)
Cause of Relo	ase refer to s. EOG R	esources is sul		sure v		167 for cause of release and immediate action form to formally close out this incident. All

Cause of Release

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Incident ID	NJMW1315048005
District RP	2RP-1667
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the resp	onsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?		
Yes No		
YEATEG luma llata u	other alreades the OCD9 Breakers Toy	whom? When and by what means (phone, email, etc)?
If YES, was immediate no	otice given to the OCD? By wholi? 10 v	whom? When and by what means (phone, eman, etc)?
	Initial F	Response
The responsible p	party must undertake the following actions immedia	tely unless they could create a safety hazard that would result in Injury
☐ The source of the rele	ase has been stopped.	
1	s been secured to protect human health an	d the environment.
1	-	dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed a	nd managed appropriately.
If all the actions described	i above have <u>not</u> been undertaken, explair	ı why:
has begun, please attach	a narrative of actions to date. If remedia	remediation immediately after discovery of a release. If remediation i efforts have been successfully completed or if the release occurred please attach all information needed for closure evaluation.
I hereby certify that the infor	mation given above is true and complete to the	e best of my knowledge and understand that pursuant to OCD rules and
regulations all operators are public health or the environm	required to report and/or file certain release no nent. The acceptance of a C-141 report by the	tifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have
failed to adequately investiga	ate and remediate contamination that pose a th	reat to groundwater, surface water, human health or the environment. In fresponsibility for compliance with any other federal, state, or local laws
and/or regulations.	t a C-141 Teport does not reneve the operator of	responsionity for computation with any other receial, state, or room raths
Printed Name: Chase \$	Settle	Title: Rep Safety & Environmental Sr
Signature: Chase S		Date: 10/11/2021
email: Chase_Settle(@eogresources.com	Telephone: 575-748-1471
oon out		
OCD Only		
Received by:		Date:

Incident ID	NJMW1315048005
District RP	2RP-1667
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?	☐ Yes ☐ No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ 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)?	☐ Yes ☐ No	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ 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?	☐ Yes ☐ No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No	
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No	
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No	
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No	
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☐ 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		

0	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 the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation and 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	Ë
0	an. 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 0.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.	Ë

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Incident ID	NJMW1315048005
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Facility ID	
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I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thru addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger DCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	•
Received by:	Date:

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Incident ID	NJMW1315048005
District RP	2RP-1667
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist:	Each of the following items must be included in the plan.
	posed remediation technique
Scaled sitemap with GPS of Estimated volume of mate	oordinates showing delineation points
Closure criteria is to Table	1 specifications subject to 19.15.29.12(C)(4) NMAC
Proposed schedule for rem	ediation (note if remediation plan timeline is more than 90 days OCD approval is required)
	1. CH. C. U
Deferral Requests Only: Each	h of the following items must be confirmed as part of any request for deferral of remediation.
Contamination must be in deconstruction.	areas immediately under or around production equipment where remediation could cause a major facility
Extents of contamination	nust be fully delineated.
☐ Contamination does not ca	use an imminent risk to human health, the environment, or groundwater.
rules and regulations all operations which may endanger public he liability should their operation surface water, human health or	ation given above is true and complete to the best of my knowledge and understand that pursuant to OCD ors are required to report and/or file certain release notifications and perform corrective actions for releases alth or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of have failed to adequately investigate and remediate contamination that pose a threat to groundwater, the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of with any other federal, state, or local laws and/or regulations.
Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:
☐ Approved ☐ Ap	proved with Attached Conditions of Approval Denied Deferral Approved
Signature:	<u>Date:</u>
E4	

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State of New Mexico Oil Conservation Division

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

must be notified 2 days prior to liner inspection)

Incident ID	NJMW1315048005
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Facility ID	
Application ID	

Closure

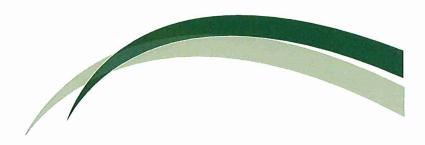
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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.

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office

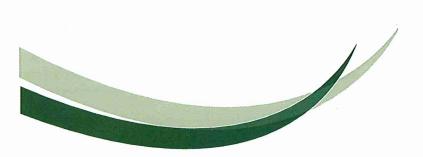
N Laboratory analyses of final sampling (Note: appropria	the ODE District office indict be notified 2 days prior to final sampling)
☑ Description of remediation activities	
and regulations all operators are required to report and/or file may endanger public health or the environment. The accepts should their operations have failed to adequately investigate human health or the environment. In addition, OCD accepta compliance with any other federal, state, or local laws and/or restore, reclaim, and re-vegetate the impacted surface area to	complete to the best of my knowledge and understand that pursuant to OCD rules e certain release notifications and perform corrective actions for releases which ance of a C-141 report by the OCD does not relieve the operator of liability and remediate contamination that pose a threat to groundwater, surface water, ance of a C-141 report does not relieve the operator of responsibility for regulations. The responsible party acknowledges they must substantially to the conditions that existed prior to the release or their final land use in to the OCD when reclamation and re-vegetation are complete.
Printed Name: Chase Settle	Title: Rep Safety and Environmental Sr
Signature: Man South	
email: Chase_Settle@eogresources.com	Telephone: 575-748-1471
OCD Only	
Received by:	Date:
	e party of liability should their operations have failed to adequately investigate and urface water, human health, or the environment nor does not relieve the responsible ws and/or regulations.
Sciosure Approved by: <u>Bradford</u> Scrinted Name: Bradford Billings	Billings Date: 0/20/2021
Printed Name: Bradford Billings	Title: Envi.Spec.A
NOTE: Proceed with vent removal and agreed to 4	foot excavation, and submit report thereof
Comments of the second second to the	Total State of State

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Appendix B



Site Photography





Site Photography
EOG Resources
Penasco Water Line
NMOCD Incident # nAPP2133649705
Kent Vent Wells Closure Report
Sections 20, T18S, R26E
Eddy County, New Mexico
Project #19034-0006
May 6, 2022



Picture 1: 11/15/2021 Location of Vent Wells (Looking Northeast)



Picture 2: 01/03/2022 Exposed Vent Wells

Site Photography
EOG Resources
Penasco Water Line
NMOCD Incident # nAPP2133649705
Kent Vent Wells Closure Report
Sections 20, T18S, R26E
Eddy County, New Mexico
Project #19034-0006
May 6, 2022



Picture 3: 01/03/2022 Plugging of Vent Wells



Picture 4: 01/03/2022 Plugged and capped Vent Wells.

Site Photography
EOG Resources
Penasco Water Line
NMOCD Incident # nAPP2133649705
Kent Vent Wells Closure Report
Sections 20, T18S, R26E
Eddy County, New Mexico
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Picture 5: Backfill of Former Vent Well Locations (View 1)



Picture 6: Backfill of Former Vent Well Locations (View 2)

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

District II

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

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

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

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

CONDITIONS

Action 111286

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	111286
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
bbillings	thanks you for amended report indicating closure of vent wells in question. There is no further action required by OCD on this closed incident.	6/1/2022