Received by OCD: 5/20/2023 3:44:08 PM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

	Page 1 of 2
Incident ID	nAPP2035138293
District RP	
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?	<u><50</u> (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.

- \mathbf{X} Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- Data table of soil contaminant concentration data
- \underline{X} Depth to water determination
- X Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- \mathbf{X} Photographs including date and GIS information
- X 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.

Received by OCD: 5/20/2	2023 3:44:08 PM State of New Mexico			Page 2 of 2
Page 4	Oil Conservation Division	1	Incident ID District RP Facility ID Application ID	nAPP2035138293
regulations all operators a public health or the enviro failed to adequately inves	formation given above is true and complete to the are required to report and/or file certain release norment. The acceptance of a C-141 report by the tigate and remediate contamination that pose at the of a C-141 report does not relieve the operator Woodall	otifications and perform c e OCD does not relieve the hreat to groundwater, surfa	orrective actions for rele e operator of liability sh ace water, human health liance with any other fe	eases which may endanger ould their operations have or the environment. In
email: <u>dale.woodal</u>	l@dvn.com	Telephone: 575-7	748-1838	
OCD Only Received by: Joc	elyn Harimon	_ Date:05	/22/2023	

Oil Conservation Division

Incident ID	nAPP2035138293
District RP	
Facility ID	
Application ID	

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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. X A scaled site and sampling diagram as described in 19.15.29.11 NMAC X 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) X 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: Dale Woodall Title: Environmental Professional Signature: Dala Woodall Date: 5/20/2023 email: dale.woodall@dvn.com Telephone: 575-748-1838 **OCD Only** Jocelyn Harimon Date: 05/22/2023 Received by: 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:

Devon Energy Production Company

Green Wave 20 CTB 1

Closure Report

UL M Section 20, T26S, R34E Lea County, New Mexico

NAPP2035138293

May 25, 2021



Prepared for:

Devon Energy Production Co 6488 Seven Rivers Hwy Artesia, NM

By:

Safety & Environmental Solutions, Inc. 703 East Clinton Hobbs, New Mexico 88240 (575) 397-0510

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<u>May 25, 2021</u>

I. Company Contacts

Representative	Company	Telephone	E-mail
Lupe Carrasco	Devon	575-748-0165	Lupe.Carrasco@dvn.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Devon Energy Production Company to assess a spill in the Green Wave 20 CTB containment location. This site is situated in Unit Letter M, Section 20, Township 26S and Range 34E, in Lea county New Mexico.

According to the C-141: a leak on a vic clamp caused the fluid to release into the lined containment area.

II. Surface and Ground Water

According to research of the website for the New Mexico Office of the State Engineer records; there is no record of groundwater in the immediate vicinity of the site location. However, the records indicated an average depth to water of 125' bgs. for Township 26S and Range 34E.

IV. Characterization

The site has been remediated. Initial steps taken included recovering the 9.8 bbls of fluid that was released. Soil was not observed to be impacted at this time. This location is in a low karst zone. Due to a lack of ground water data, this area falls into the <50' category of Table 1.

V. Work Performed

On November 27th, 2020, Devon Energy Production notified the NMOCD of a release of 9.8 bbls of produced water. Initial steps were taken to mitigate the fluid release into the lined containment area, including recovering the released fluid via vacuum truck. There was no soil impacted, and the need for further remediation activities ceased. On January 8th of 2021, Devon engaged SESI to perform a liner inspection on the CTB liner system. It was discovered that this liner maintained its integrity to withhold the release in question.

VI. Conclusions

The spill fluids were contained and successfully recovered / remediated to the NMOCD approved work plan protocol. A total of 9.8 bbls of released fluid were disposed of at the nearest SWD. The subsequent liner inspection was successfully performed with no further actions needed at this time. SESI, on behalf of Devon Energy Production Company, respectfully submits this closure report for your consideration and conclusion of the associated incident number.

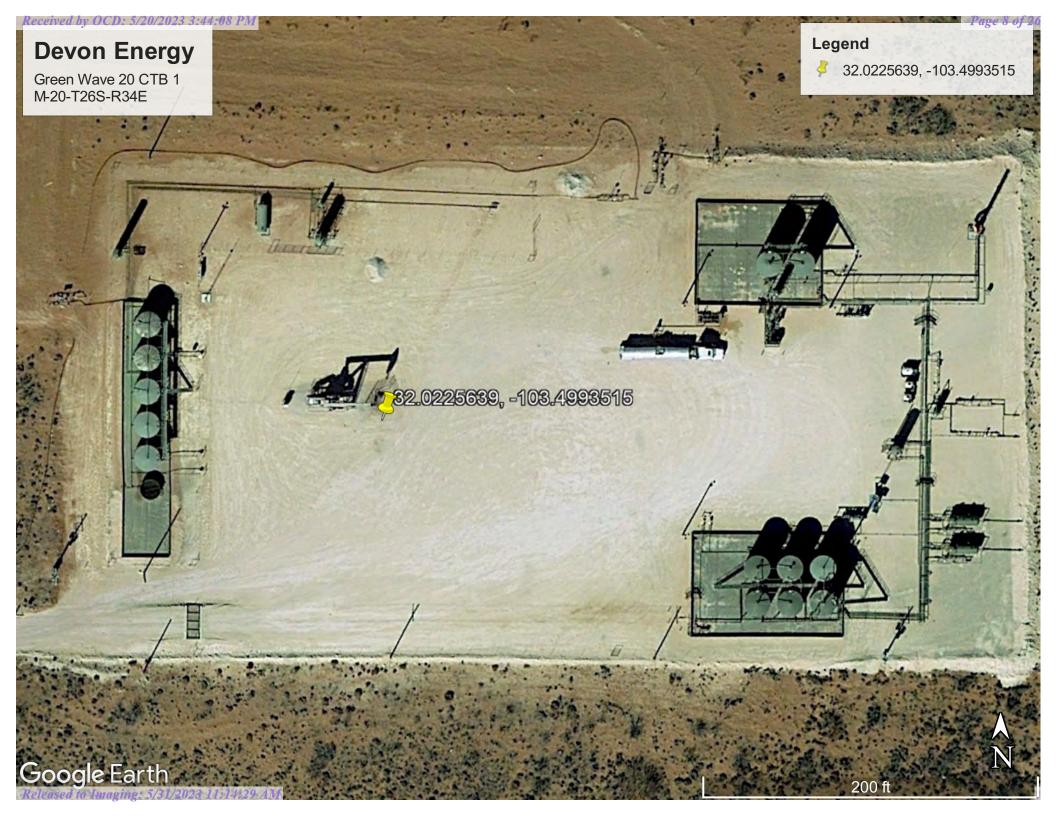
VII. Figures & Appendices

Figure 1 – Site Map Appendix A – Site Photographs Appendix B – C-141 Appendix C – Repair Photographs

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Figure 1 Site Map

2



Devon Energy Production Co Lea County, New Mexico

Appendix A Spill Photographs





Released to Imaging: 5/31/2023 11:14:29 AM



Devon Energy Production Co Lea County, New Mexico

Appendix B C-141

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Page 12 of 26

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

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Incident ID	NAPP2035138293
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

T (1 1	
Latitude	

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
Yes No	
If YES, was immediate no	otice 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

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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:	Title:
Signature: Kendra DeHoyos	Date:
email:	Telephone:
OCD Only	
Received by: Ramona Marcus	Date: 12/21/2020

Site Assessment/Characterization

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Received by OCD: 5/20/20	23 3:44:08 PM State of New Mexico			Page 15 of 26
			Incident ID	nAPP2035138293
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			Application ID	
regulations all operators are public health or the environ failed to adequately investig	Joodall	ifications and perform co OCD does not relieve the eat to groundwater, surfa	prrective actions for rele e operator of liability sh ce water, human health liance with any other fe ntal Professional	eases which may endanger ould their operations have or the environment. In
OCD Only Received by:		Date:		

Oil Conservation Division

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Closure

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Printed Name: Mike Buchanan

Title: Environmental Specialist

Devon Energy Production Co Lea County, New Mexico

Appendix C Liner/Containment Photographs

Liner Integrity Inspection Report					
Name of Site: Greenwave 20 CTB / Project #: DEV-21-002					
Inspection Tech: <u>Sosa kry</u> Date of Inspection: <u>OI/08/24</u> Time: <u>OI30</u> Au					
	Visual	Inspection			
Type of Secondary Contain	nment:	Status:			
Earthen		Free Fluid in Secondary Containment			
Clay		Intermittent Pooling	V		
Supported, Coated Fabrics and Laminates		Sump has Fluid			
Unsupported Geomembranes		Dry			
Steel		Release or leak traces inside containment			
Cement		Release or leak traces outside containment			
	Obse	ervations			
Environmental Damage:		Comments:			
Damage from animals or vegetation compromising liner integrity		NONE	_		
Discoloration, erosion, or chemical degradation of the liner			_		
Degradation of the liner system from storm water flow or erosion of the secondary containment system			_		
Physical Damage:		Comments:			
Cracks, bulges, stains, chips, seepages in the liner system		r.b.nt:			
Improper or deferred maintenance of the liner system					
Dike wall, foundation, or embankment movement, settlement, or deterioration compromising the integrity of the liner system					
Degradation of the liner system at penetrations (piping, supports, wells, foundations, pads, etc.)			_		
Damage to the liner system from equipment, vehicles, foot traffic, frost l	neave, etc.				
Evidence of foundation movement, se or deterioration	ttlement,	>			



95-SW corner facing East outside





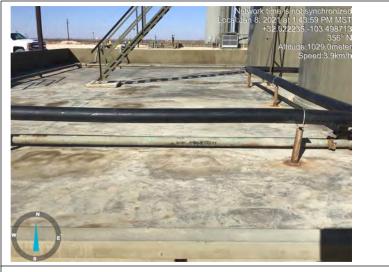
97-SW corner facing North outside



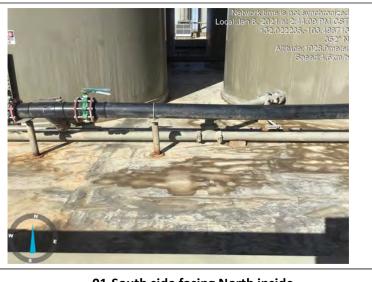
98-SW corner facing North inside



99-South side facing North inside



00-South side facing North inside



01-South side facing North inside



02-South side facing North inside

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Devon, Greenwave 20 CTB 1, DEV-21-02



03-South side facing North inside



04-NW corner facing west outside





06-East side facing West inside



07-East side facing West inside



08-East side facing West inside



09-NE corner facing South outside



10-NE corner facing South inside

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Devon, Greenwave 20 CTB 1, DEV-21-02



11-Sump, NE corner facing South



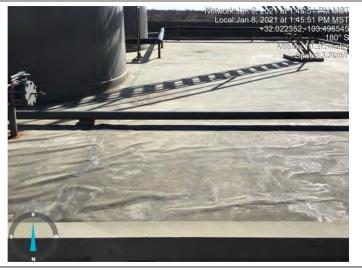
12-North side facing South inside



13-North side facing South inside



14-North side facing South inside



15-North side facing South inside



16-North side facing South inside





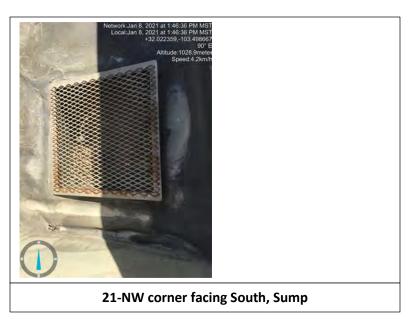
18-NW corner facing East inside



19-NW corner facing South outside



20-NW corner facing South inside





22-Water pool facing West inside

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

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	218753
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	None	5/31/2023

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Action 218753