

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

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

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

Incident ID	nAPP2224440316
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Western Refining Pipeline, LLC	OGRID
Contact Name Matthew Krakow	Contact Telephone 505-632-4169
Contact email mjkrakow@marathonpetroleum.com	Incident # (assigned by OCD) nAPP2224440316
Contact mailing address 111 CR 4990 Bloomfield, NM 87413	

### Location of Release Source

Latitude 32.1357 Longitude -103.6115  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name CTB 145 (Icy 18 Fed Com)	Site Type Crude Oil Gathering
Date Release Discovered 8/25/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
	18	25S	33E	LEA

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 checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 10 barrels	Volume Recovered (bbls) 20 Gallons
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input 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

Valve thread leak

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" 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>Matthew Krakow</u> Title: <u>HES Professional</u> Signature: _____ Date: <u>9/6/2022</u> email: <u>MJKrakow@marathonpetroleum.com</u> Telephone: <u>8/29/2022</u>
<b><u>OCD Only</u></b> Received by: <u>Jocelyn Harimon</u> Date: <u>09/06/2022</u>

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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.

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Oil Conservation Division

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

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

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

**OCD Only**

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

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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.

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

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

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

**OCD Only**

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

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

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

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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: \_\_\_\_\_ Title: \_\_\_\_\_

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

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

**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: \_\_\_\_\_

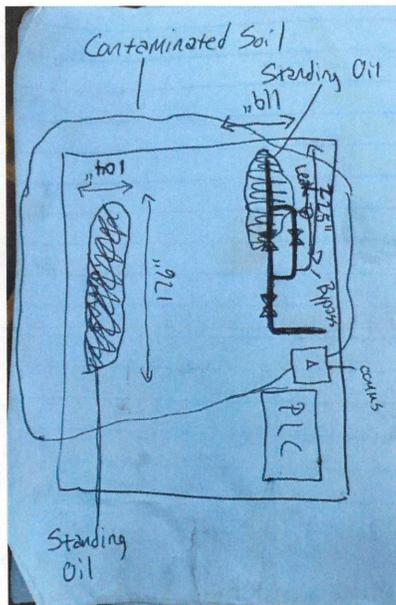
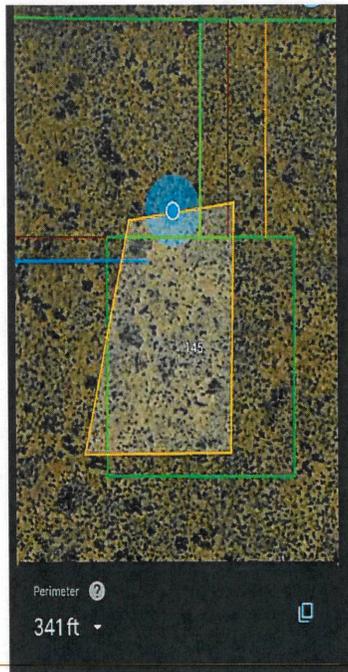
**Date:** August 26, 2022  
**To:** Permian District Operations  
**From:** Jessica O'Brien  
**Re:** CTB 145 (Icy) Release Calculation

### Incident Summary

On August 25, 2022 at 1400, Permian Operations was conducting a station inspection and discovered a leak from a one inch TRV line on the pig barrel. An operator immediately blocked in the line and called the Control Center to disarm the station. Upon further investigation into the source, the operator determined a leaking thread was causing crude to be sprayed onto the surrounding ground and nearby equipment. An operator initially estimated 20 bbls to be released. An operator initiated a MapLine call to engage affected stakeholders, determine external stakeholder notification obligations, and initiate clean-up. Based on discussions during the MapLine call, repairs were discussed, as well as the conditions of the station to continue safe operations. A Stop-Help-Start was later initiated to allow for additional discussion with the Control Center. Measurements of the affected area were provided to Environmental in effort to prepare a release estimate and begin clean-up. Agency notifications were completed as necessary.

### Release Amount

An operator provided the below sketch of the site conditions in addition to photographs. The location had previously experienced rain. The weather conditions caused the soil to be saturated and allowed for the stormwater to create a film of the sprayed crude across the ground surface.



Environmental prepared release estimates using a spill calculator tool. According to results, the estimated total release amount was calculated to be a total of 62 bbls. The estimator accounts for initial surface volume, potential infiltration volume, as well as air emission volumes. Of note, small spill volume releases are unlikely to infiltrate to approximate depth and therefore such volumes can be excluded. Other attributes of this release were uneven depths of product due to pooling, in addition to mixture with stormwater. The time-period of the release was assumed to be twenty-four hours according to operator's rounds. Consequently, using the estimated surface volumes from the calculator tool results in a total volume of **10 bbls**.

Spill Characteristics - Inputs		Value	Format/Units
<b>Spill Observation or Measurement</b>			
Date, Time, and Elapsed Time	8/25/2022 14:30	mm/dd/yyyy hh:mm	
Date & time of spill observation (now)	8/24/2022 14:30	mm/dd/yyyy hh:mm	
Date & time that spill began (estimate)	24.0	hr	
Elapsed time to observation	24.0	hr	
User Selected Duration for Emissions Estimates			
<b>Spill setting</b>			
Type of surface where spill occurred	Land	List	
<b>Petroleum Liquid Type</b>			
Predominant petroleum liquid type	Crude-medium (28 °API)	List	
<b>Spill Dimensions on Land</b>			
Soil type	Sand	List	
Approximate geometric shape of spill	Rectangle	List	
Maximum length	225	feet	
Maximum width	116	feet	
Maximum depth of spill on surface	0.04	inches	
<b>Spill Dimensions on Water</b>			
Approximate geometric shape of spill		feet	
Maximum length		feet	
Maximum width		feet	
Visibility threshold appearance thickness or user specified		List	
User specified thickness		µm	
<b>Spill Conditions</b>			
Ambient temperature	85	°F	
Wind speed	10	mph	

Cells shaded in green are for user input of spill specific data.

<b>Reporting Applicability</b>	NM
State in which spill occurred:	

NOTE: A reporting threshold may have been triggered from this release. Please refer to the NM tab on the spill reporting requirements tool for reporting requirements associated with releases to land, initiate a MAPLine call, and contact ESR.

Spill Characteristics - Selected Outputs		Value Raw	Value	Units
<b>Spill Area, Volume &amp; Mass on Land</b>				
Spill Area at Observation Time		26,100.0	26,000	ft2
Spill Area at Observation Time		0.60	0.6	ac
Spill Surface Volume at Observation Time		58.0	58	ft3
Spill Surface Volume at Observation Time		433.8	430	gal
Spill Surface Mass at Observation Time		10.3	10	bbl
Spill Surface Mass at Observation Time		3,206.1	3,200	lb
<b>Spill Area, Volume &amp; Mass on Water</b>				
Spill Area at Observation Time		n/a	n/a	ft2
Spill Surface Volume at Observation Time		n/a	n/a	ac
Spill Surface Volume at Observation Time		n/a	n/a	ft3
Spill Surface Mass at Observation Time		n/a	n/a	gal
Spill Surface Mass at Observation Time		n/a	n/a	bbl
Spill Surface Mass at Observation Time		n/a	n/a	lb
<b>Potential Soil Infiltration</b>				
Approximate infiltration depth		0.70	0.7	ft
Approximate liquid volume in infiltrated soil		1,799.5	1,800	gal
		42.8	43	bbl
Total liquid volume - surface and infiltrated soil		2,233.3	2,200	gal
Total liquid mass - surface and infiltrated soil		53.2	53	bbl
Total H2S Emissions for User Selected Duration		16,504.0	17,000	lb.
Initial spill loading on surface		0.09	0.09	gal/ft2
Final depth for spill loading at 95% Confidence Intvl		0.25	0.30	ft
<b>Air Emissions</b>				
Estimated VOC Emissions Prior to Observation		2,662.5	2,700	lb
Estimated Maximum 1-Hour VOC Emissions		1,499.0	1,500	lb
Estimated 24-Hour VOC Emissions		2,662.5	2,700	lb
Estimated Emission During Selected Time Period		2,662.5	2,700	lb
Maximum 1-hr Benzene Emissions		3	3	lb./hr
Total Benzene Emissions for User Selected Duration		4	4	lb.
Maximum 1-hr H2S Emissions		0.0	0.0	lb./hr
Total H2S Emissions for User Selected Duration		0.004	0.004	lb.
Fully or Partially Evaporated		Partially Evaporated		
<b>Initial Spill Size Estimate</b>				
Estimated Mass of Initial Spill		19,166.6	19,000	lb.
Estimated Volume of Initial Spill		2,593.6	2,600	gal
		61.8	62	bbl
<b>Potential Benzene/Hydrogen Sulfide Emissions from Spill</b>				
Select Product Type		Crude-medium (28 °API)		
Potential Benzene Emissions		3.5	3.5	lb.
Potential Hydrogen Sulfide Emissions		0.004	0.004	lb.

<b>Crude-Specific Potential Benzene/Hydrogen Sulfide Emissions from Capline Crude Spill</b>	
Select Crude Type	Keystone Conoco Blend
Potential Benzene Emissions	8
Potential Hydrogen Sulfide Emissions	0.012

Note -- the below table is a separate emissions calculator that can be used to evaluate releases of specific crude oil types in conjunction with the inputs above.

NOTE: Infiltration depth does not account for overall mass limits on the release (i.e. the model assumes an ongoing source/infinite volume). Small volume releases may be unlikely to reach the depth shown.

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

**District II**  
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 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 140192

**CONDITIONS**

Operator: WESTERN REFINING PIPELINE LLC 200 E. Hardin Street Findlay, OH 45840	OGRID: 319135
	Action Number: 140192
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	9/6/2022