

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	nAPP2220866101
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Western Refining Pipeline, LLC	OGRID 319135
Contact Name Matthew Krakow	Contact Telephone 505-632-4169
Contact email mjkrakow@marathonpetroleum.com	Incident # (assigned by OCD) nAPP2220866101
Contact mailing address 111 CR 4990 Bloomfield, NM 87413	

Location of Release Source

Latitude 32.1197 Longitude -103.4578
(NAD 83 in decimal degrees to 5 decimal places)

Site Name CTB 130 Wild Weasel	Site Type Crude Gathering
Date Release Discovered 7/27/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
	22	25S	34E	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) 29	Volume Recovered (bbls) 20
<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

Crude oil pump failure

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? <p style="text-align: center;">Crude oil spill exceeding 25 barrels</p>
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, Matthew Krakow reported to Mike Bratcher via email on 7/27/2022. Also, a spill report was filed on the NMOCD website on 7/27/2022.	

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>8/9/2022</u>
email: <u>mjakraw@marathonpetroleum.com</u>	Telephone: <u>505-632-4169</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>08/09/2022</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 not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
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Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved
 Approved with Attached Conditions of Approval
 Denied
 Deferral Approved

Signature: _____ Date: _____

Incident ID	
District RP	
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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: _____ 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: July 27, 2022
To: Permian District Operations
From: Matt Krakow
Re: CTB 130 (Wild Weasel) Release Calculation

Incident Summary

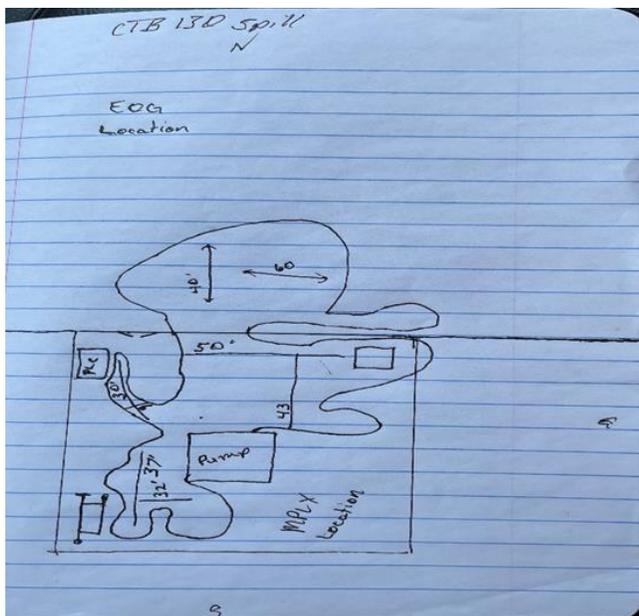
On April 10, 2021 at 0744 am, the Control Center received an alarm at CTB 130. The Permian Operations was notified and sent to evaluate the site conditions. Upon arriving onsite the operator discovered the sump failed to alarm on high level and overflowed, consequently causing a release of crude to the surrounding area. After further investigation of the equipment the operator noted that a packing nut on the plunger pump backed off and failed. Based upon a review of the Control Center’s operational data at the time of the alarm, the pump was running at a rate of 300 barrels per hour (bph) for about 25 minutes. A Stop-Help-Start was initiated and necessary notifications to all internal stakeholders initiated. 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

The Control Center’s operational data at the time of the alarm indicates a release volume per below:

<i>Release Rate</i>	*	<i>Release Period</i>	*	<i>Release Volume</i>
$\frac{300 \text{ bbls}}{1 \text{ hour}}$	*	$\frac{1 \text{ hour}}{60 \text{ minutes}}$	*	$\frac{25 \text{ minutes}}{60 \text{ minutes}} = 125 \text{ bbls}$

This was a five-plunger pump that experienced a failure at only one of the plungers; thus, its reasonable to reduce the above estimated volume to one-fifth of the total which is **25 bbls**.



Measurements of the affected area were documented, in addition to a sketch depicting the characteristics of the release pattern on the soil 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 53 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 irregular shape/pattern and uneven depth of affected surface area. Consequently, using the estimated surface volume from the calculator tool results in a total volume of 14 bbls.

Recovered volumes during the clean-up activities were as follows:

- 10 bbls recovered from equipment skid
- 5 bbls recovered from sump
- 5 bbls free product recovered from ground

In consideration of all the above, the reasonable total volume of this release is estimated at **29 bbls**.

Spill Characteristics - Inputs		
Spill Observation or Measurement	Value	Format/Units
Date, Time, and Elapsed Time		
Date & time of spill observation (now)	7/27/2022 8:07	mm/dd/yyyy hh:mm
Date & time that spill began (estimate)	7/26/2022 8:07	mm/dd/yyyy hh:mm
Elapsed time to observation	24.0	hr
User Selected Duration for Emissions Estimates	24.0	hr
Spill setting		
Type of surface where spill occurred	Land	List
Petroleum Liquid Type		
Predominant petroleum liquid type	Crude-light (34 °API)	List
Spill Dimensions on Land		
Soil type	Sand	
Approximate geometric shape of spill	Rectangle	List
Maximum length	60	feet
Maximum width	40	feet
Maximum depth of spill on surface	0.25	inches
Spill Dimensions on Water		
Approximate geometric shape of spill		feet
Maximum length		feet
Maximum width		feet
Visibility threshold appearance thickness or user specified		List
User specified thickness		µm
Spill Conditions		
Ambient temperature	96	°F
Wind speed	6	mph

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

Reporting Applicability	
State in which spill occurred:	NM
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 ES&R.	

Spill Characteristics - Selected Outputs			
Spill Characteristics	Value Raw	Value	Units
Spill Area, Volume & Mass on Land			
Spill Area at Observation Time	2,400.0	2,400	ft2
	0.06	0.1	ac
Spill Surface Volume at Observation Time	33.3	33	ft3
	249.3	250	gal
	5.9	6	bbl
Spill Surface Mass at Observation Time	1,775.8	1,800	lb
Spill Area, Volume & Mass on Water			
Spill Area at Observation Time	n/a	n/a	ft2
	n/a	n/a	ac
Spill Surface Volume at Observation Time	n/a	n/a	ft3
	n/a	n/a	gal
	n/a	n/a	bbl
Spill Surface Mass at Observation Time	n/a	n/a	lb
Potential Soil Infiltration			
Approximate infiltration depth	1.63	1.6	ft
Approximate liquid volume in infiltrated soil	385.3	390	gal
	9.2	9	bbl
Total liquid volume - surface and infiltrated soil	634.6	630	gal
	15.1	15	bbl
Total liquid mass -surface and infiltrated soil	4,519.6	4,500	lb.
Initial spill loading on surface	0.26	0.30	gal/ft2
Final depth for spill loading at 95% Confidence Intvl	0.78	0.80	ft
Air Emissions			
Estimated VOC Emissions Prior to Observation	2,061.0	2,100	lb
Estimated Maximum 1-Hour VOC Emissions	1,160.3	1,200	lb
Estimated 24-Hour VOC Emissions	2,061.0	2,100	lb
Estimated Emission During Selected Time Period	2,061.0	2,100	lb
Maximum 1-hr Benzene Emissions		4	lb./hr
Total Benzene Emissions for User Selected Duration		6	lb.
Maximum 1-hr H2S Emissions		0.0	lb./hr
Total H2S Emissions for User Selected Duration		0.002	lb.
Fully or Partially Evaporated		Partially Evaporated	
Initial Spill Size Estimate			
Estimated Mass of Initial Spill	6,580.6	6,600	lb.
Estimated Volume of Initial Spill	924.0	920	gal
	22.0	22	bbl

Potential Benzene/Hydrogen Sulfide Emissions from Spill			
Select Product Type	Crude-light (34 °API)		
Potential Benzene Emissions		5.8	lb.
Potential Hydrogen Sulfide Emissions		0.002	lb.

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..

Crude-Specific Potential Benzene/Hydrogen Sulfide Emissions from Capline Crude Spill			
Select Crude Type	Keystone Conoco Blend		
Potential Benzene Emissions		5	lb.
Potential Hydrogen Sulfide Emissions		0.008	lb.

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.

Spill Characteristics - Inputs		
Spill Observation or Measurement	Value	Format/Units
Date, Time, and Elapsed Time		
Date & time of spill observation (now)	7/27/2022 8:07	mm/dd/yyyy hh:mm
Date & time that spill began (estimate)	7/26/2022 8:07	mm/dd/yyyy hh:mm
Elapsed time to observation	24.0	hr
User Selected Duration for Emissions Estimates	24.0	hr
Spill setting		
Type of surface where spill occurred	Land	List
Petroleum Liquid Type		
Predominant petroleum liquid type	Crude-light (34 °API)	List
Spill Dimensions on Land		
Soil type	Sand	
Approximate geometric shape of spill	Rectangle	List
Maximum length	50	feet
Maximum width	43	feet
Maximum depth of spill on surface	0.25	inches
Spill Dimensions on Water		
Approximate geometric shape of spill		feet
Maximum length		feet
Maximum width		feet
Visibility threshold appearance thickness or user specified		List
User specified thickness		µm
Spill Conditions		
Ambient temperature	96	°F
Wind speed	6	mph

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

Reporting Applicability	
State in which spill occurred:	NM
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 ES&R.	

Spill Characteristics - Selected Outputs			
Spill Characteristics	Value Raw	Value	Units
Spill Area, Volume & Mass on Land			
Spill Area at Observation Time	2,150.0	2,200	ft2
	0.05	0.1	ac
Spill Surface Volume at Observation Time	29.9	30	ft3
	223.4	220	gal
	5.3	5	bbl
Spill Surface Mass at Observation Time	1,590.8	1,600	lb
Spill Area, Volume & Mass on Water			
Spill Area at Observation Time	n/a	n/a	ft2
	n/a	n/a	ac
Spill Surface Volume at Observation Time	n/a	n/a	ft3
	n/a	n/a	gal
	n/a	n/a	bbl
Spill Surface Mass at Observation Time	n/a	n/a	lb
Potential Soil Infiltration			
Approximate infiltration depth	1.63	1.6	ft
Approximate liquid volume in infiltrated soil	345.1	350	gal
	8.2	8	bbl
Total liquid volume - surface and infiltrated soil	568.5	570	gal
	13.5	14	bbl
Total liquid mass -surface and infiltrated soil	4,048.8	4,000	lb.
Initial spill loading on surface	0.26	0.30	gal/ft2
Final depth for spill loading at 95% Confidence Intvl	0.78	0.80	ft
Air Emissions			
Estimated VOC Emissions Prior to Observation	1,832.0	1,800	lb
Estimated Maximum 1-Hour VOC Emissions	1,031.4	1,000	lb
Estimated 24-Hour VOC Emissions	1,832.0	1,800	lb
Estimated Emission During Selected Time Period	1,832.0	1,800	lb
Maximum 1-hr Benzene Emissions		4	lb./hr
Total Benzene Emissions for User Selected Duration		5	lb.
Maximum 1-hr H2S Emissions		0.0	lb./hr
Total H2S Emissions for User Selected Duration		0.001	lb.
Fully or Partially Evaporated		Partially Evaporated	
Initial Spill Size Estimate			
Estimated Mass of Initial Spill	5,880.8	5,900	lb.
Estimated Volume of Initial Spill	825.7	830	gal
	19.7	20	bbl

Potential Benzene/Hydrogen Sulfide Emissions from Spill			
Select Product Type	Crude-light (34 °API)		
Potential Benzene Emissions		5.2	lb.
Potential Hydrogen Sulfide Emissions		0.001	lb.

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..

Crude-Specific Potential Benzene/Hydrogen Sulfide Emissions from Capline Crude Spill			
Select Crude Type	Keystone Conoco Blend		
Potential Benzene Emissions		5	lb.
Potential Hydrogen Sulfide Emissions		0.007	lb.

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.

Spill Characteristics - Inputs		
Spill Observation or Measurement	Value	Format/Units
Date, Time, and Elapsed Time		
Date & time of spill observation (now)	7/27/2022 8:07	mm/dd/yyyy hh:mm
Date & time that spill began (estimate)	7/26/2022 8:07	mm/dd/yyyy hh:mm
Elapsed time to observation	24.0	hr
User Selected Duration for Emissions Estimates	24.0	hr
Spill setting		
Type of surface where spill occurred	Land	List
Petroleum Liquid Type		
Predominant petroleum liquid type	Crude-light (34 °API)	List
Spill Dimensions on Land		
Soil type	Caliche	
Approximate geometric shape of spill	Rectangle	List
Maximum length	32	feet
Maximum width	37	feet
Maximum depth of spill on surface	0.8	inches
Spill Dimensions on Water		
Approximate geometric shape of spill		feet
Maximum length		feet
Maximum width		feet
Visibility threshold appearance thickness or user specified		List
User specified thickness		µm
Spill Conditions		
Ambient temperature	96	°F
Wind speed	6	mph

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

Reporting Applicability	
State in which spill occurred:	NM
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 ES&R.	
NOTE: Caliche has highly variable infiltration properties depending on composition of native soil and degree of cementation. Soil properties may need adjustment based on site-specific data.	
NOTE: Soil infiltration nomograph for petroleum products was not available for caliche. Therefore infiltration properties were copied from the clay nomograph.	

Spill Characteristics - Selected Outputs			
Spill Characteristics	Value Raw	Value	Units
Spill Area, Volume & Mass on Land			
Spill Area at Observation Time	1,184.0	1,200	ft2
Spill Surface Volume at Observation Time	0.03	0.0	ac
	52.6	53	ft3
	393.6	390	gal
	9.4	9	bbf
Spill Surface Mass at Observation Time	2,803.3	2,800	lb
Spill Area, Volume & Mass on Water			
Spill Area at Observation Time	n/a	n/a	ft2
	n/a	n/a	ac
Spill Surface Volume at Observation Time	n/a	n/a	ft3
	n/a	n/a	gal
	n/a	n/a	bbf
Spill Surface Mass at Observation Time	n/a	n/a	lb
Potential Soil Infiltration			
Approximate infiltration depth	0.02	0.0	ft
Approximate liquid volume in infiltrated soil	13.4	13	gal
	0.3	0	bbf
Total liquid volume - surface and infiltrated soil	407.0	410	gal
	9.7	10	bbf
Total liquid mass -surface and infiltrated soil	2,898.8	2,900	lb.
Initial spill loading on surface	0.34	0.30	gal/ft2
Final depth for spill loading at 95% Confidence Intvl	1.01	1.00	ft
Air Emissions			
Estimated VOC Emissions Prior to Observation	3,205.9	3,200	lb
Estimated Maximum 1-Hour VOC Emissions	1,804.9	1,800	lb
Estimated 24-Hour VOC Emissions	3,205.9	3,200	lb
Estimated Emission During Selected Time Period	3,205.9	3,200	lb
Maximum 1-hr Benzene Emissions		7	lb./hr
Total Benzene Emissions for User Selected Duration		9	lb.
Maximum 1-hr H2S Emissions		0.0	lb./hr
Total H2S Emissions for User Selected Duration		0.002	lb.
Fully or Partially Evaporated		Partially Evaporated	
Initial Spill Size Estimate			
Estimated Mass of Initial Spill	6,104.7	6,100	lb.
Estimated Volume of Initial Spill	857.2	860	gal
	20.4	20	bbf

Potential Benzene/Hydrogen Sulfide Emissions from Spill			
Select Product Type	Crude-light (34 °API)		
Potential Benzene Emissions		9.3	lb.
Potential Hydrogen Sulfide Emissions		0.002	lb.

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..

Crude-Specific Potential Benzene/Hydrogen Sulfide Emissions from Capline Crude Spill			
Select Crude Type	Keystone Conoco Blend		
Potential Benzene Emissions		9	lb.
Potential Hydrogen Sulfide Emissions		0.012	lb.

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
 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 129452

CONDITIONS

Operator: WESTERN REFINING PIPELINE LLC 200 E. Hardin Street Findlay, OH 45840	OGRID: 319135
	Action Number: 129452
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	8/9/2022