

Flowpath 1

8	Length of Release in Feet
13	Width of Release in Feet
1.29	Depth of Release in Inches (Average depth across release)
2.0124	Barrels released

Flowpath 2

0	Length of Release in Feet
0	Width of Release in Feet
0	Depth of Release in Inches (Average depth across release)
0	Barrels released

Flowpath 3

0	Length of Release in Feet
0	Width of Release in Feet
0	Depth of Release in Inches (Average depth across release)
0	Barrels released

2.0124 Total Released Volume in BBLs (Calculates the total from each column)

****Use the additional calculation columns when the release does not flow in a relatively straight path. If the release has a straight flowpath, use the first column and zero out the other columns.****

ESTIMATING THE QUANTITY OF SPILLED/LEAKED OIL OR PRODUCT

1. If the leak is from a pipeline and large enough to be detected on pressure recording devices, the quantity of fluid out can reasonably be determined by calculating the rate of pumping from the time of the pressure drop to shut down. To this add the volume that will drain by gravity from the leak site after the line is isolated. The line profile must be taken into consideration.
2. Quantities of other leaks or spills can be estimated by the following formula:

l (ft) = Length in feet

w (ft) = Width in feet

d (in) = Depth in feet

Outage in Barrels =

$$l \text{ (ft)} \times w \text{ (ft)} \times d \text{ (ft)} \times \frac{1 \text{ ft}}{12 \text{ in}} \times \frac{7.481 \text{ gal}}{\text{ft}^3} \times \frac{1 \text{ BBL}}{42 \text{ gal}}$$

$$\text{So Outage (BBLs)} = l \text{ (ft)} \times w \text{ (ft)} \times d \text{ (in)} \times 0.015$$

More simply put (as on Site Entry Checklist):

$$\text{Length } _____\text{ (ft)} \times \text{Width } _____\text{ (ft)} \times \text{Depth } _____\text{ (in)} \times 0.015 = _____\text{ BBLs}$$

This is an "estimate only" for initial reporting requirements requested by various agencies –i.e. WyDEQ, Utah Water Quality. D.O.T., etc.

Soil Type	Est. Pore Space
Clay	15%
Sandy Clay	12%
Silt	16%
Loess	25%
Fine Sand	16%
Med. Sand	25%
Coarse Sand	26%
Gravelly Sand	26%
Fine Gravel	26%
Med. Gravel	25%
Coarse Gravel	18%
Compacted Caliche Pad	16%
Loosely Compacted Caliche Pad	20%

Location:

Rule of Thumb

4.1 = Total Estimated Barrels of Oil in Soil

To Calculate The Oil Content of Saturated Soil

Average Pore Space Between Soil Grains Ranges From A Low of 15% To A High of 26%. Pure Sand Being 26%.

16% = Estimated Pore Space

Width Times Length Times Depth = Cubic Feet

159 = Width in Feet
86 = Length in Feet

0.125 = Depth in Inches
0.010417 = Depth in Feet

There Are 7.48 Gallons Of Oil Per Cubic Foot

170.47 = Gallons of Oil In Soil

4.1 = Barrels of Oil In Soil

If different soil types are impacted (I.E. Caliche Pad and Sandy Clay Pasture Area), additional calculation boxes are provided below. If not, please make sure the dimensions are zeroed out before finalizing.

16% = Estimated Pore Space

Width Times Length Times Depth = Cubic Feet

= Width in Feet
= Length in Feet
= Depth in Inches
0 = Depth in Feet

There Are 7.48 Gallons Of Oil Per Cubic Foot

0.00 = Gallons of Oil In Soil

0.0 = Barrels of Oil In Soil

16% = Estimated Pore Space

Width Times Length Times Depth = Cubic Feet

3 = Width in Feet
25 = Length in Feet
2 = Depth in Inches
= Depth in Feet

There Are 7.48 Gallons Of Oil Per Cubic Foot

0.00 = Gallons of Oil In Soil

0.0 = Barrels of Oil In Soil

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 504235

QUESTIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 504235
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2516402647
Incident Name	NAPP2516402647 JAL 2 STATION @ N-33-25S-37E
Incident Type	Oil Release
Incident Status	Initial C-141 Received

Location of Release Source*Please answer all the questions in this group.*

Site Name	Jal 2 Station
Date Release Discovered	06/12/2025
Surface Owner	Private

Incident Details*Please answer all the questions in this group.*

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Cause: Equipment Failure Valve Crude Oil Released: 6 BBL Recovered: 2 BBL Lost: 4 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	A check valve on a sump line failed, allowing oil to backflow from the suction side of the ACT into the proving loop sump box, resulting in a crude oil release onto the ground surface.

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QUESTIONS, Page 2

Action 504235

QUESTIONS (continued)

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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Karolanne Hudgens Title: HSE Remediation Specialist II Email: karolanne.hudgens@plains.com Date: 09/09/2025
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QUESTIONS, Page 3

Action 504235

QUESTIONS (continued)

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QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	OCD Imaging Records Lookup
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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CONDITIONS

Action 504235

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CONDITIONS

Created By	Condition	Condition Date
scwells	Initial C-141 approved. Site Characterization is correct based on release location of 32.0814286,-103.1705864. Attachments will still need to be included in remediation closure report that verify site characterization data per 19.15.29.11.A.(1-5) NMAC.	9/10/2025