INSTRUCTIONS

1. Locate the approximate DEPTH OF SPILL and use arrow keys to move cursor there.
2. Use arrow key to move cursor to the right, stop below Length and enter LENGTH OF SPILL then cursor right to Width.
3. Now enter the WIDTH OF THE SPILL , then cursor right to Effective Porosity.
4. Now enter the EFFECTIVE POROSITY using the "Soil Type/Effective Porosity Table" (only enter if using the RESIDUAL METHOD), then cursor right to see Total Amount Spilled.
5. Equals the Total Amount Spilled in BARRELS.

>>>>>>>>>>For circular spills press PG DN key once & CHEMICAL SPILLS PG DN twice<<<<<<<<<<<<<<<<<

DEPTH (inches)	LENGTH (feet)	WIDTH (feet)	Effective Porosity	BARRELS (bbls.)	Thickness (feet)
MIST METHOD					
Lt.Mist			NA	0.00000	0.000008
Med.Mist			NA	0.00000	0.00008
Hvy.Mist			NA	0.00000	0.00083
RESIDUAL METHOD (Length X Width X Avg. Depth X Eff. Porosity divided by 5.6146)					
skim				0.00000	0.002604
1/16				0.00000	0.005208
1/8				0.00000	0.010417
1/4				0.00000	0.020803
1/2				0.00000	0.041667
3/4				0.00000	0.062
1				0.00000	0.083333
2				0.00000	0.166666
3				0.00000	0.25
4	5	20	0.15	0.89053	0.333333
5				0.00000	0.416666
6				0.00000	0.5
7				0.00000	0.583333
8				0.00000	0.666666
9				0.00000	0.75
10				0.00000	0.833333
11				0.00000	0.916666
12				0.00000	1

Soil Type / Effective Porosity	
0.25	Gravel - 25% Porosity
0.2	Sand - 20% Porosity
0.15	Clay/Silt/Sand Mix - 15%
0.05	Clay - 5% Porosity
0.03	Caliche - 3%
0.25	Unknown - 25%

*For spills greater than one foot of depth use 12 inches as your depth then multiply the amount of barrels by the number feet of actual depth.

MACRO SECTION

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MIST METHOD					
Lt.Mist			NA	0.00000	0.000008
Med.Mist			NA	0.00000	0.00008
Hvy.Mist			NA	0.00000	0.00083
RESIDUAL METHOD (Length X Width X Avg. Depth X Eff. Porosity divided by 5.6146)					
skim				0.00000	0.002604
1/16				0.00000	0.005208
1/8				0.00000	0.010417
1/4				0.00000	0.020803
1/2				0.00000	0.041667
3/4				0.00000	0.062
1				0.00000	0.083333
2				0.00000	0.166666
3				0.00000	0.25
4	16	3	0.15	0.42746	0.333333
5				0.00000	0.416666
6				0.00000	0.5
7				0.00000	0.583333
8				0.00000	0.666666
9				0.00000	0.75
10				0.00000	0.833333
11				0.00000	0.916666
12				0.00000	1

Soil Type / Effective Porosity	
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0.05	Clay - 5% Porosity
0.03	Caliche - 3%
0.25	Unknown - 25%

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1/8				0.00000	0.010417
1/4				0.00000	0.020803
1/2				0.00000	0.041667
3/4				0.00000	0.062
1				0.00000	0.083333
2				0.00000	0.166666
3				0.00000	0.25
4	16	2	0.15	0.28497	0.333333
5				0.00000	0.416666
6				0.00000	0.5
7				0.00000	0.583333
8				0.00000	0.666666
9				0.00000	0.75
10				0.00000	0.833333
11				0.00000	0.916666
12				0.00000	1

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1/8				0.00000	0.010417
1/4				0.00000	0.020803
1/2				0.00000	0.041667
3/4				0.00000	0.062
1				0.00000	0.083333
2				0.00000	0.166666
3				0.00000	0.25
4	20	6	0.15	1.06864	0.333333
5				0.00000	0.416666
6				0.00000	0.5
7				0.00000	0.583333
8				0.00000	0.666666
9				0.00000	0.75
10				0.00000	0.833333
11				0.00000	0.916666
12				0.00000	1

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1/8				0.00000	0.010417
1/4				0.00000	0.020803
1/2				0.00000	0.041667
3/4				0.00000	0.062
1				0.00000	0.083333
2				0.00000	0.166666
3				0.00000	0.25
4	10	10	0.15	0.89053	0.333333
5				0.00000	0.416666
6				0.00000	0.5
7				0.00000	0.583333
8				0.00000	0.666666
9				0.00000	0.75
10				0.00000	0.833333
11				0.00000	0.916666
12				0.00000	1

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1/8				0.00000	0.010417
1/4				0.00000	0.020803
1/2				0.00000	0.041667
3/4				0.00000	0.062
1				0.00000	0.083333
2				0.00000	0.166666
3				0.00000	0.25
4	30	8	0.15	2.13728	0.333333
5				0.00000	0.416666
6				0.00000	0.5
7				0.00000	0.583333
8				0.00000	0.666666
9				0.00000	0.75
10				0.00000	0.833333
11				0.00000	0.916666
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1/8				0.00000	0.010417
1/4				0.00000	0.020803
1/2				0.00000	0.041667
3/4				0.00000	0.062
1				0.00000	0.083333
2				0.00000	0.166666
3				0.00000	0.25
4	30	3	0.15	0.80148	0.333333
5				0.00000	0.416666
6				0.00000	0.5
7				0.00000	0.583333
8				0.00000	0.666666
9				0.00000	0.75
10				0.00000	0.833333
11				0.00000	0.916666
12				0.00000	1

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1/8				0.00000	0.010417
1/4				0.00000	0.020803
1/2				0.00000	0.041667
3/4				0.00000	0.062
1				0.00000	0.083333
2				0.00000	0.166666
3				0.00000	0.25
4	24	14	0.15	2.99220	0.333333
5				0.00000	0.416666
6				0.00000	0.5
7				0.00000	0.583333
8				0.00000	0.666666
9				0.00000	0.75
10				0.00000	0.833333
11				0.00000	0.916666
12				0.00000	1

Soil Type / Effective Porosity	
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MACRO SECTION

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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

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 432146
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2504531514**
Incident Name	**NAPP2504531514 VAL VERDE TRAIN 7 @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Received**
Incident Facility	**[fGP00000000031] VAL VERDE GP**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Val Verde Train 7
Date Release Discovered	02/01/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
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	*Not answered.*
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	Cause: Other | Other (Specify) | Glycol | Released: 400 GAL | Recovered: 0 GAL | Lost: 400 GAL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Val Verde Plant Train 7 had an upset. The glycol still vent opened releasing approximately 400 gallons of glycol.

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QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 432146
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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: Chad Snell Title: Environmental Specialist Email: chad.snell@harvestmidstream.com Date: 02/14/2025

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QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 432146
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
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.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	*Not answered.*
What method was used to determine the depth to ground water	*Not answered.*
Did this release impact groundwater or surface water	*Not answered.*
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	*Not answered.*
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	*Not answered.*
An occupied permanent residence, school, hospital, institution, or church	*Not answered.*
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	*Not answered.*
Any other fresh water well or spring	*Not answered.*
Incorporated municipal boundaries or a defined municipal fresh water well field	*Not answered.*
A wetland	*Not answered.*
A subsurface mine	*Not answered.*
An (non-karst) unstable area	*Not answered.*
Categorize the risk of this well / site being in a karst geology	*Not answered.*
A 100-year floodplain	*Not answered.*
Did the release impact areas not on an exploration, development, production, or storage site	*Not answered.*

Remediation Plan	
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.	
Requesting a remediation plan approval with this submission	No
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.	

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CONDITIONS

Action 432146

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 432146
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	None	2/17/2025