



Release Calculation

Well Information

Well Site: COU #047

API: 30-039-30980

Release Information

Release Type: Equipment Failure (Flowline leak)

Type of impact: Crude oil

Excavated Material (yds): ~256 yards

Excavation Area: 1152 sq ft

Saturated Material: ~20 yards (based off field observations)

Wet Area: ~154 sq ft (based of saturated material observed)

Soil Type: Silty sand (60% sand / 40% silt/clay), brown, fine – vf grain.

Calculation (Volume Released)

Material Type (Sand)

$154 \text{ sq ft} \times 3.5 \text{ ft} \times 3.4 \times 0.60 = 1099.56 \text{ gallons}$

1099.56 gallons = 26 barrels of fluid released.

Material Type (Clay)

$154 \text{ sq ft} \times 3.5 \text{ ft} \times 1 \times 0.40 = 215.6 \text{ gallons}$

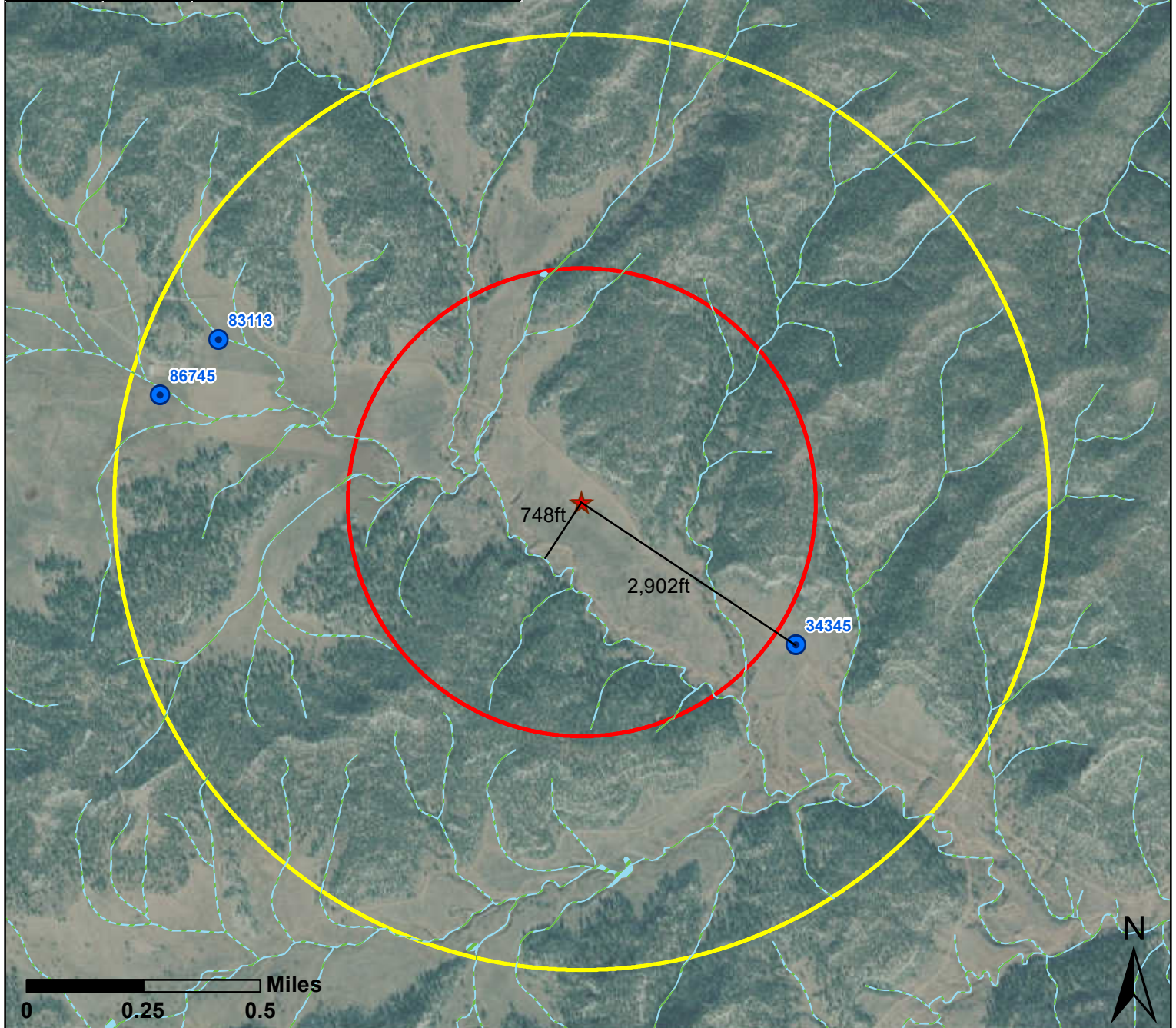
215.6 gallons = 5 barrels of fluid released.

Total Estimated Volume Released = 31 barrels

Notes:

- Liquid Capacity of Soils:
 - o Clay = 1.0 gallons/cubic foot
 - o Sand = 3.4 gallons /cubic foot
 - o Gravel = 3.6 gallons/cubic foot
 - o Standing fluid = 7.5 gallons/cubic foot
- Release Volume Calculation= Horizontal Square Footage x Vertical Depth in Feet x Liquid Capacity of Soil Factor = Volume (gallons) Released
- 1 barrel= 42 gallons

POD Number	Well Depth (ft bgs)	Water Depth (ft bgs)	Use
34345	304	-	Livestock Watering
86745	50	-	Domestic and Livestock Watering
83113	186	68	Domestic and Livestock Watering



Notes: Water well data from the New Mexico Office of the State Engineer. Wetland data from the National Hydrography Dataset. Floodplain data from the Federal Emergency Management Agency.

Legend

- Point of Release
- Point of Diversion
- 1 Mile Buffer
- 1/2 Mile Buffer
- Wetland
- D; Area with Possible but Undetermined Flood Hazards

Cottonwood
CONSULTING

Mapping by: E. Millar, 1/14/2025
Coordinate System:
NAD 1983 UTM Zone 13 N

Location: Section 4 T25N R1W NMPM

Canada Ojitos Unit #047
Hydrology Map
Benson-Montin-Greer Drilling Corp



Canada Ojitos Unit #047
Photographic Log
Benson-Montin-Greer Drilling Corp



Photo 1: Canada Ojitos Unit #047 well sign.



Photo 2: Wet area observed.



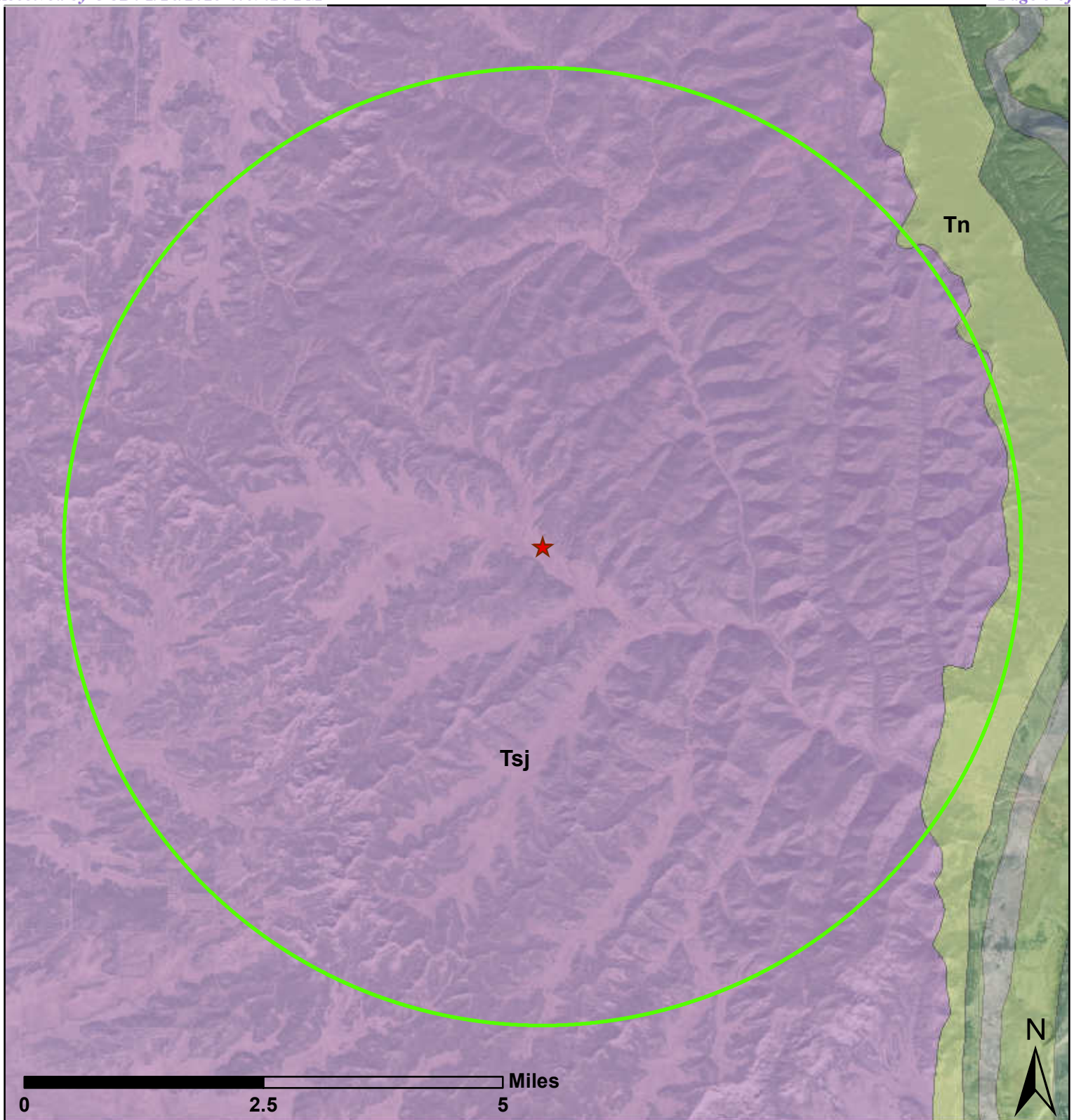
Canada Ojitos Unit #047
Photographic Log
Benson-Montin-Greer Drilling Corp



Photo 3: Excavation area and saturated material near flowline.







Photo 4: Excavation area.



Notes: Mine data from the New Mexico Mining and Minerals Division. Surficial geology data from the 1997 USGS Geologic Map of New Mexico.

Legend

-  Point of Release
-  5 Mile Buffer
-  Tn; Nacimiento Formation
-  Tsj; San Jose Formation

Cottonwood
CONSULTING 

Mapping by: E. Millar, 1/14/2025
Coordinate System:
NAD 1983 UTM Zone 13 N

Location: Section 4 T25N R1W NMPM

**Canada Ojitos Unit #047
Geology and Mining Map
Benson-Montin-Greer Drilling Corp**

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 420584

QUESTIONS

Operator: BENSON-MONTIN-GREER DRILLING CORP 4900 College Blvd. Farmington, NM 87402	OGRID: 2096
	Action Number: 420584
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2501033710
Incident Name	NAPP2501033710 CANADA OJITOS UNIT #047 @ 30-039-30980
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Well	[30-039-30980] CANADA OJITOS UNIT #047

Location of Release Source	
Please answer all the questions in this group.	
Site Name	CANADA OJITOS UNIT #047
Date Release Discovered	01/09/2025
Surface Owner	Federal

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 Flow Line - Production Crude Oil Released: 31 BBL Recovered: 0 BBL Lost: 31 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)	On 1/4/2025 BMG noticed oil on the surface of location. Excavation began on 1/9/2025 and it was determined that the release was reportable per NMOCD rules. Following additional excavation on 1/13/2025 it was determined to be a major release based on estimated volume of released fluid.

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QUESTIONS, Page 2

Action 420584

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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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: AJ LaFortune Email: jlafortune@cottonwoodconsulting.com Date: 01/14/2025
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QUESTIONS, Page 3

Action 420584

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 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
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 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
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	None
A 100-year floodplain	Greater than 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 420584

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CONDITIONS

Created By	Condition	Condition Date
nvez	None	1/15/2025