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March 13, 2026

EMNRD – Oil Conservation Division  
506 W. Texas  
Artesia, New Mexico 88210

SUBJECT: Liner Inspection Closure Report for Aleutian 10 CTB 3 – February 13, 2026 Site Visit

Incident ID: nAPP2533527730  
Facility ID (Name): fAPP2129451356 (Aleutian 10 CTB 3)  
Facility Location: Unit O of Section 10, Township 23 South, Range 31 East, New Mexico  
Facility GPS Coordinates: 32.31437165 / -103.765084  
Eddy County, New Mexico

### **Introduction**

KLJ Engineering (KLJ) has prepared this report on behalf of Devon Energy Production Company, LP (Devon), to document liner inspection activities conducted at the Aleutian 10 CTB 3 facility (Site) on February 13, 2026, following a produced water release that occurred on November 30, 2025.

### **Site Information and Background**

The Site is located approximately 18.97 miles east of Loving, New Mexico, on Bureau of Land Management (BLM) property. The Site lies within Unit O, Section 10, Township 23 South, Range 31 East, in Eddy County. KLJ conducted a liner inspection and associated site characterization in accordance with 19.15.29.11 and 19.15.29.12 of the New Mexico Administrative Code (NMAC) to assess the integrity of the containment system and evaluate any potential environmental impacts resulting from a release.

### **Release Description and Immediate Response**

#### **INCIDENT ID NAPP2533527730**

On November 30, 2025, a Devon lease operator identified that a Victaulic clamp had failed on a produced waterline within the lined secondary containment at the Site. The release consisted of 12 barrels (bbls) of produced water and was fully contained within the lined secondary containment system with a total of 12 bbls recovered. Immediate response actions included source control, recovery of free liquids, and photographic documentation.

### **Site Characterization Summary**

The Site lies within Quaternary aged alluvium. The surface and near-subsurface geology is dominated by evaporites (primarily anhydrite and gypsum), carbonate rocks (limestone and dolostone), and red-bed siliciclastic units (including sandstone, siltstone, and shale). These strata were deposited in a range of shallow marine to sabkha (coastal salt flat) environments during the Guadalupian stage of the Middle Permian (*Geology of Southeast New Mexico: A Geologic Overview of the Permian Basin Portion of Southeastern New Mexico*. New Mexico Bureau of Geology and Mineral Resources). Terrain for the Site and immediate surrounding area includes uplands, plains, dunes, and piedmonts at elevations of 2,800 – 5,000 feet. Parent material consists of mixed alluvium and/or eolian sands, with 5–15 inches of average

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annual precipitation. Soil within the Site tends to be well-drained, with low runoff potential and moderate water-holding capacity.

The USDA – Web Soil Survey (WSS) identifies the predominant soil types at the Site as the Berino complex, that are moderately deep or very deep, with surface textures ranging from loamy fine sand, fine sandy loam, loamy very fine sand, to gravelly sandy loam. Subsurface layers include loamy fine sand, course sandy loam, fine sandy loam or loam. Substratum includes a fine sandy loam, or gravelly fine sandy loam with <15% gravel and with <40% calcium carbonate, while some layers high in lime or caliche fragments may occur at depths of 20–30 inches. The soils are prone to wind erosion if left bare.

Vegetation reflects a grassland community dominated by black grama, dropseeds, and bluestems, with scattered shinnery oak and sand sage. Transitions to shrub-dominated states (e.g., mesquite or snakeweed) may occur with decreased grass cover and include grasses/honey mesquite, grasses/broom snakeweed, or grasses/sand sage. Heavy grazing and/or drought are influential drivers in decreasing grassland-dominated plant communities within proximity of the Site.

No surface water features were identified within 300 feet of the Site. The nearest significant watercourse and wetland is 0.90 miles north, and the closest playa lake is 1.29 miles northwest (USFWS NWI, 2026). These distances comply with the requirements of 19.15.29.12(C)(4) NMAC.

Based on the New Mexico Office of the State Engineer (NMOSE) Points of Diversion (POD) Map, the nearest POD is C-04724-POD1, located 0.37 miles southwest. The POD is identified as a monitoring well used to determine depth to groundwater. Well records indicate that the monitor well was drilled to a depth of 55 ft bgs, and no groundwater was encountered. The nearest freshwater well used for stock water, POD C-03351, is located 1.45 miles northwest of the Site.

The Site is not within a karst potential zone, with the nearest area of medium karst potential located 2.67 miles to the northwest. The Site is in a FEMA flood hazard area identified as FEMA Zone X (undetermined hazard); the nearest identified FEMA flood hazard area, classified as Zone A, is 8.77 miles to the northwest.

Additional information detailing the results of the Site characterization findings can be found in **Appendix B**.

### ***Closure Criteria***

Table 1 summarizes key site and incident details relevant to the closure evaluation, as required under 19.15.29.12 NMAC. Included are factors such as the release source, location, containment conditions, and site-specific characteristics that may influence applicable closure requirements. Based on available data, the site falls within the applicable threshold for depth to groundwater (DTGW) between 51 and 100 feet below ground surface (bgs). Supporting documentation is provided in **Appendix B**.

Table 1: Release Information and Closure Criteria Limits			
Depth to Ground Water Determination: 51-100 feet bgs			
Site Name	Aleutian 10 CTB 3	Company	Devon Energy Production Company, LP
Facility ID/API Number	fAPP2129451356	ULSTR GPS	O-10-23S-31E 32.31437165, -103.765084
Lease ID	NMNM121955	Land Status	BLM
Incident ID	nAPP2533527730	Date Of Release	11/30/2025
Source of Release	Vict clamp failure on PW line	Volume Released/Recovered	12 bbbls/12 bbbls pw
Specific Features	DTGW: 51-100 ft bgs (no groundwater encountered); POD within 0.5-mile radius; No karst potential; No surface water within 300 ft; FEMA Zone X.		

### ***Liner Inspection Activities***

KLJ Environmental Specialists conducted a site visit on February 13, 2026, to perform a liner inspection. Prior to the inspection, notification was provided to Devon via email on February 11, 2025, with official notification submitted through the Operator's Electronic Permitting and Payment Portal on the same day, in accordance with NMAC 19.15.29.11(A)(5)(a)(iii). A copy of the notification is included in **Appendix C**.

During the visit on February 13, 2026, KLJ personnel conducted a visual inspection of the secondary containment to verify liner integrity. Observations included checks for perforations, tears, cuts, or weathering that could compromise containment performance. The liner was confirmed to be intact, with no observed integrity issues or conditions requiring repair or replacement. Photographic documentation is provided in the Liner Inspection Field Notes & Photolog Report (**Appendix A**).

A 14-day extension for the Site's final report was requested via email on February 26, 2026, and subsequently approved by the NMOCD on February 27, 2026. This additional time was necessary to ensure a thorough internal review and to maintain the quality of the report. The inspection overlapped with active remediation efforts for a separate, concurrent incident located outside of the primary containment area. Additionally, this extension allowed for the proper allocation of resources to manage both projects effectively while meeting all regulatory standards under 19.15.29 NMAC. A copy of the extension request is included in **Appendix C**.

### ***Conclusion***

Based on the findings of the liner inspection, KLJ concludes that liner integrity is adequate to contain fluids and there are no further actions required in relation to incident nAPP2533527730.

Based on the site assessment and activities conducted, Devon respectfully requests closure of incident nAPP2533527730 with a No Further Action (NFA) determination.

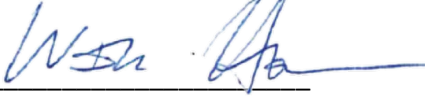
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Submitted and prepared by:  
KLJ Engineering

Written By  
Name: Monica Peppin  
Title: Environmental Specialist II

Reviewed By  
Name: Will Harmon, P.G.  
Title: Environmental Project Manager

Signature: 

Signature: 

**Included Appendices**

- Appendix A – LINER INSPECTION FIELD NOTES & PHOTOLOG REPORT
- Appendix B – CLOSURE CRITERIA RESEARCH
- Appendix C – CORRESPONDENCE

## APPENDIX A

# LINER INSPECTION FIELD NOTES & PHOTOLOG REPORT

# Environmental Liner Inspection Field Notes & Photolog Report



## Site & Incident Information

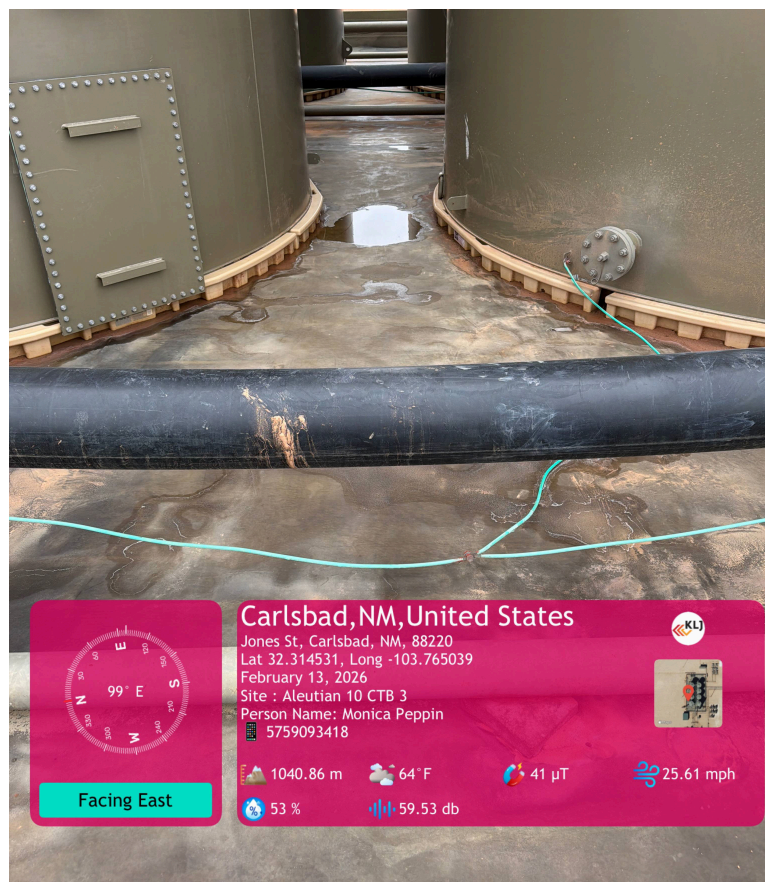
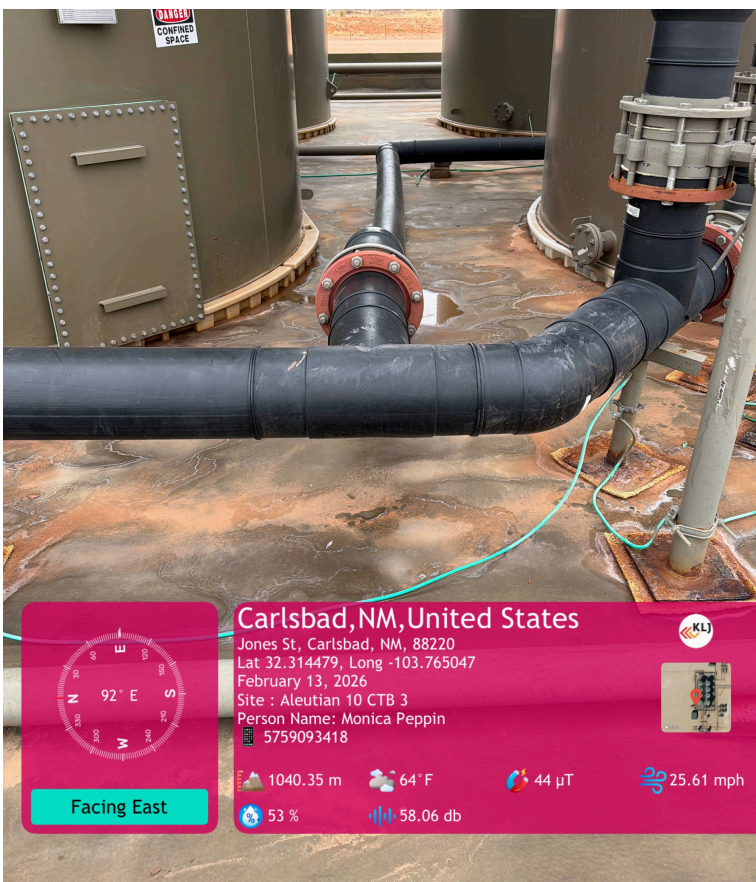
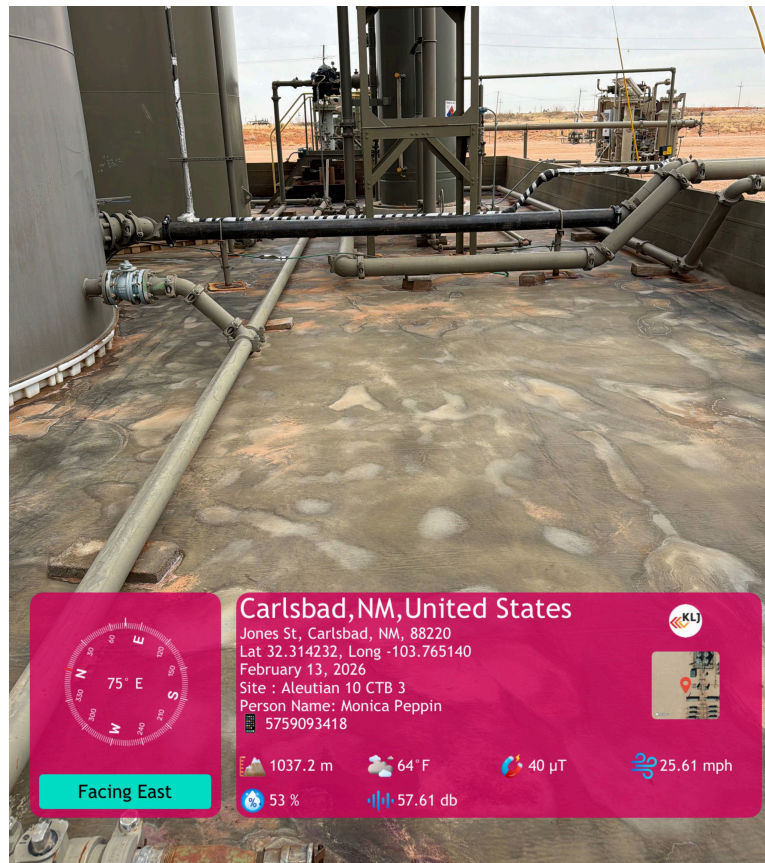
<b>Client:</b>	Devon Energy	<b>Date:</b>	February 13, 2026
<b>Site:</b>	Aleutian 10 CTB 3	<b>Arrival Time:</b>	10:16 AM
<b>Incident ID:</b>	nAPP2533527730	<b>Photo of Lease Sign</b>	
<b>Client Contact:</b>	Jim Raley		
<b>Land Status:</b>	BLM		
<b>County:</b>	Eddy		
<b>Lease ID:</b>	NMNM0705444		
<b>Facility ID:</b>	fAPP2129451356		
<b>Coordinates:</b>	32.294024, -103.564158		

## Observations and Field Notes

- 8:45 AM - Prep unit for field work, review project folder for incident info.
- 9:08 AM - Check in with W. Harmon that going to location.
- 10:15 AM - Arrive on site. Complete safety paperwork.
- 10:20 AM - Begin inspection. Confirmation that liner has been pressure washed from client.
- 10:24 AM - Liner is clean and no visible perforations or weathering are seen.
- 10:30 AM - Liner integrity is confirmed. No deterioration, signs of stress, holes, rips, or tears.
- 10:33 AM - Liner is capable of withholding fluids as intended.

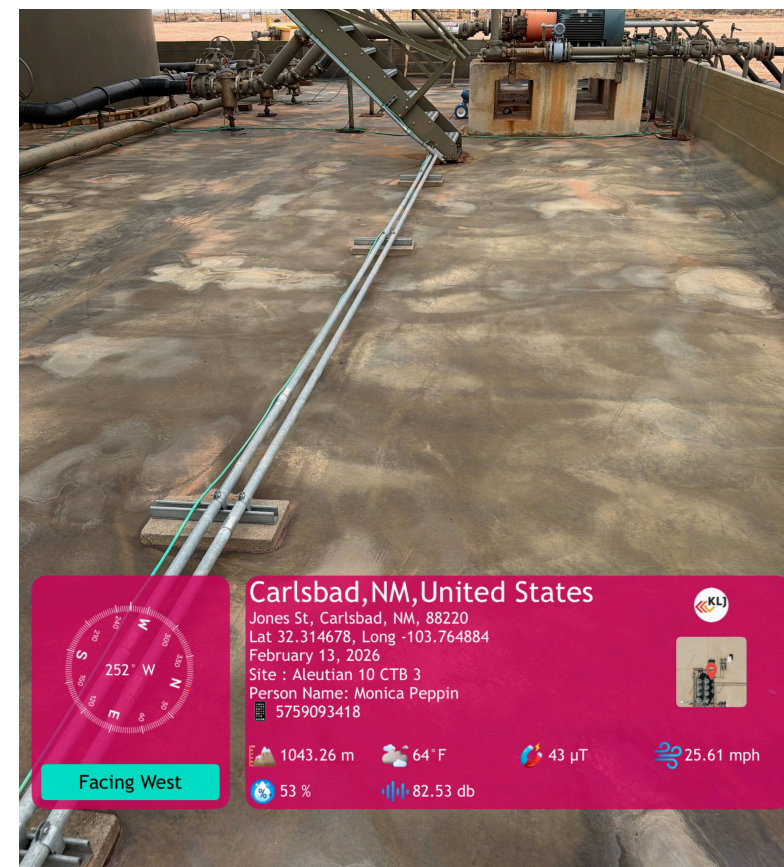
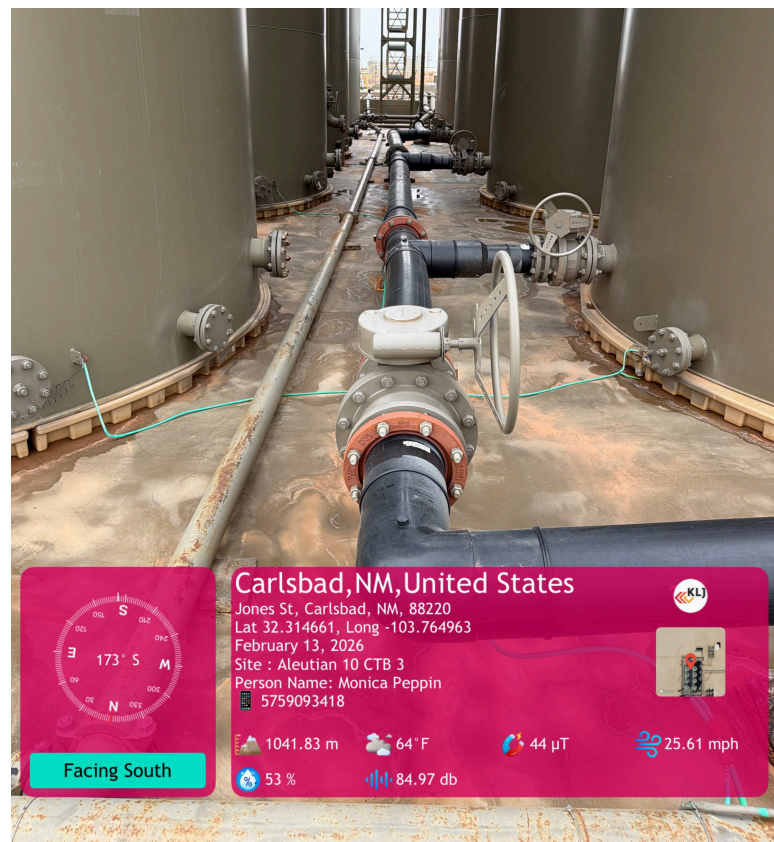


# Photolog



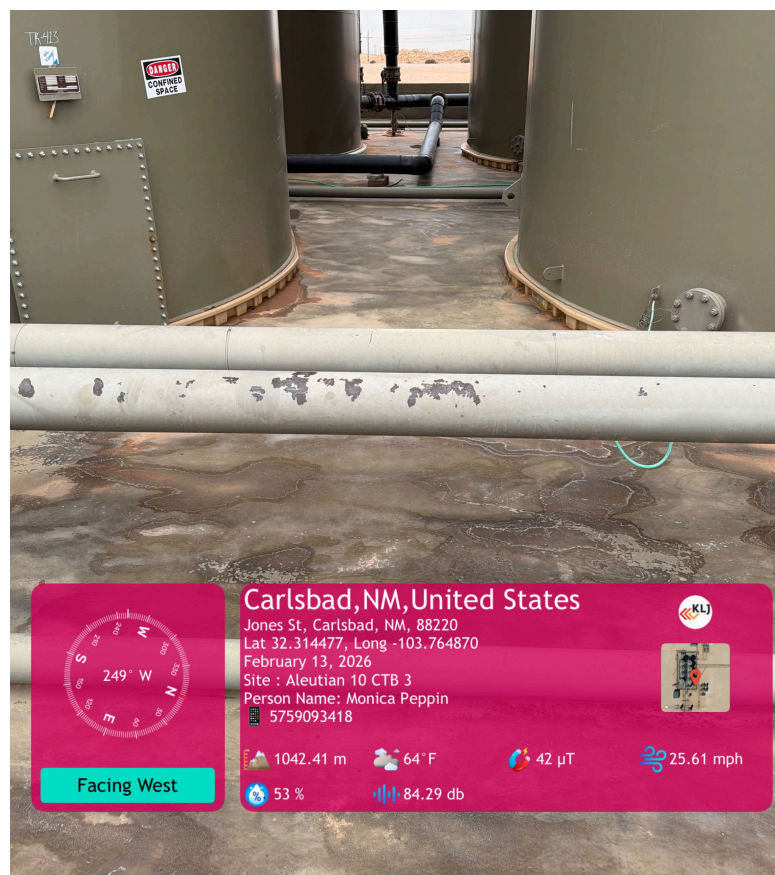
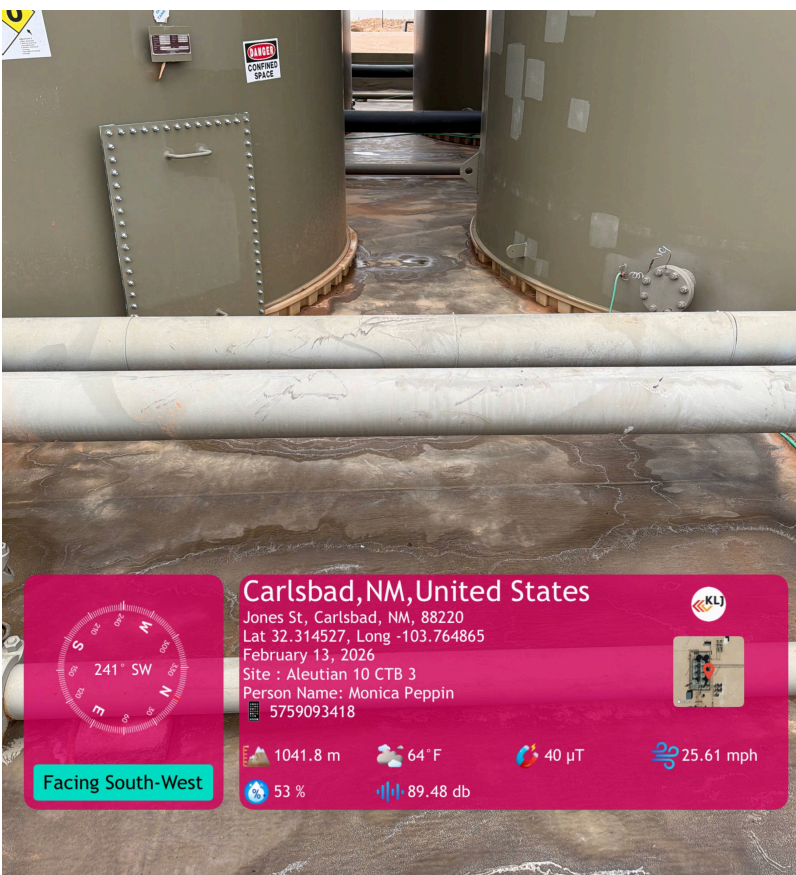
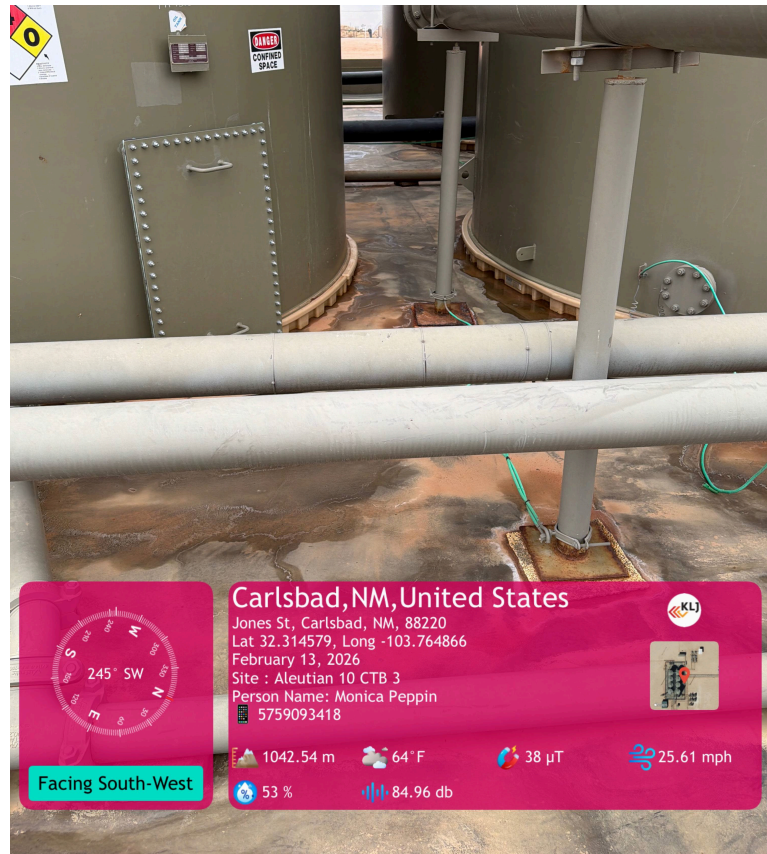


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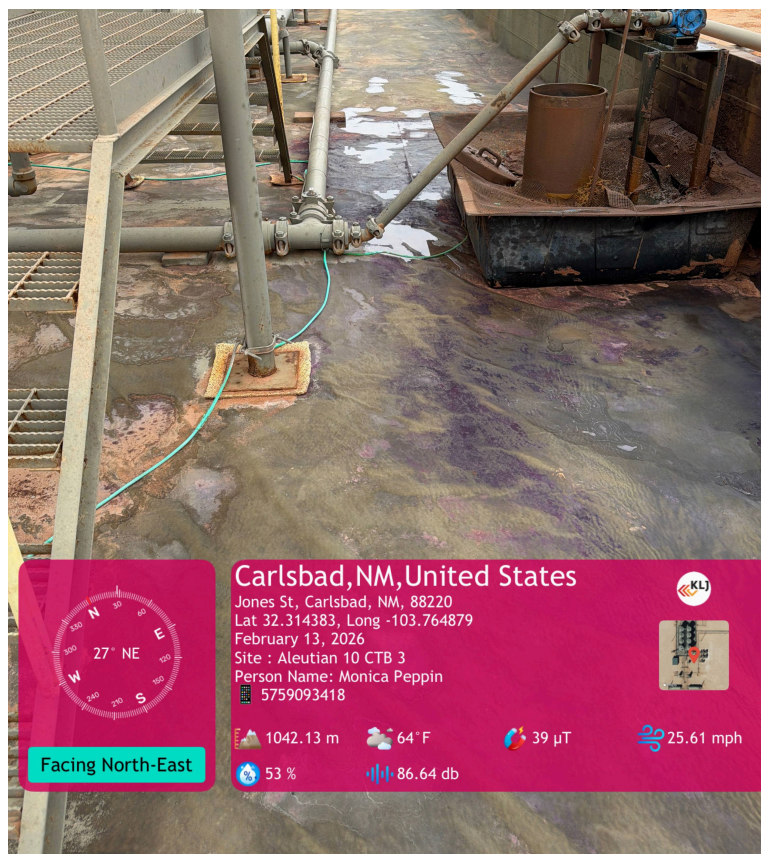
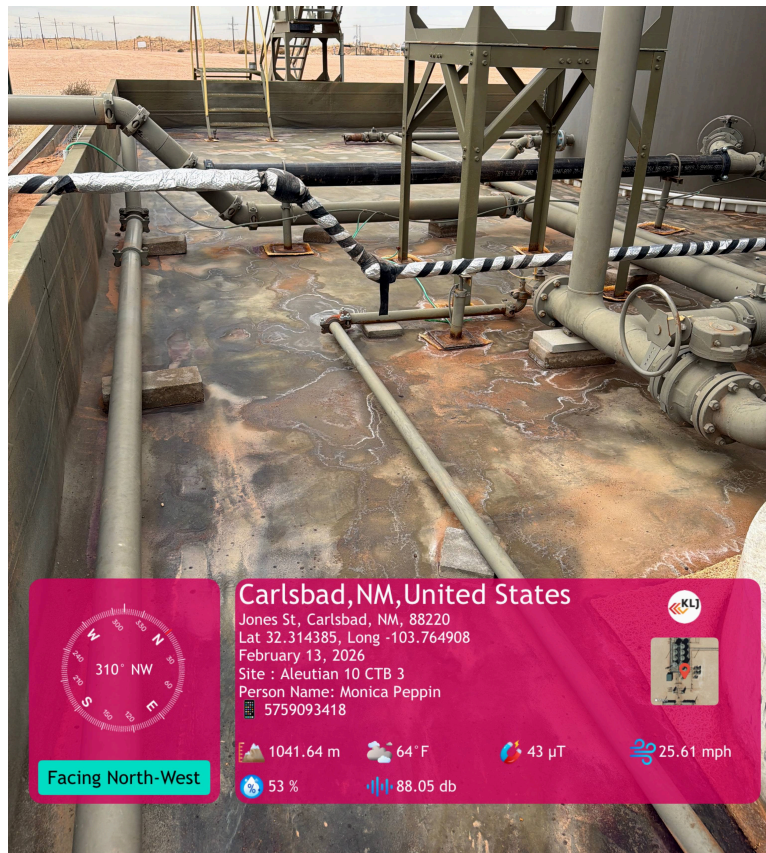
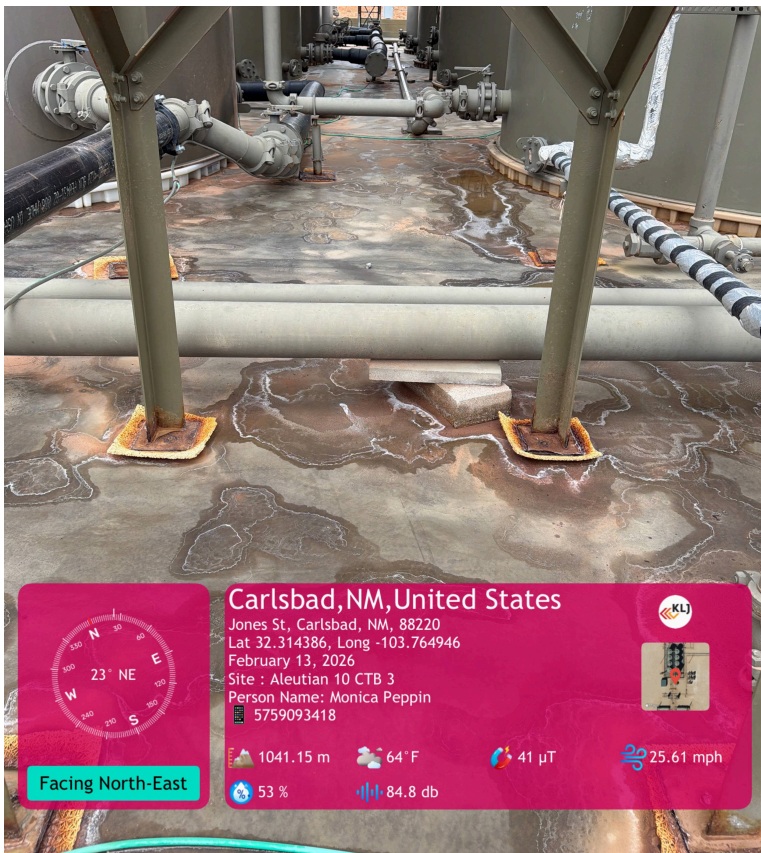


# Photolog





# Photolog





## Additional Notes & Recommendations

- Liner integrity has been confirmed by visual inspection.
- No further action is needed to address the current conditions of the liner.
- Upload field notes and photos to project folder.
- Draft closure report.
- Submit report for approval of closure.

## Acknowledgement & Signature

Technician: Monica Peppin

Date: February 13, 2026

Signature: 

Departure  
Time: 11:18 PM



## APPENDIX B

### CLOSURE CRITERIA RESEARCH

# Aleutian 10 CTB 3

Coordinates: 32.314613, -103.764997  
Incident ID: nAPP2533527730  
Containment Area: Approx. 6,600 sq ft

## Legend

-  Aleutian 10 CTB 3
-  Containment Area



Aleutian 10 CTB 3



# Aleutian 10 CTB 3 0.5-mile Radius DTGW Proximity Map



3/6/2026, 10:26:34 AM

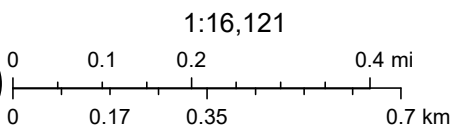
### GIS WATERS PODs

- Pending
- Active
- Inactive
- Changed Location of Well
- Capped
- Plugged

- Unknown
- Pending
- Active
- Inactive
- Changed Location of Well
- Capped
- Plugged

- Unknown

**C-04724-POD1**  
 Monitor Well  
 55 ft bgs  
**No Water Bearing  
 Zone Reached**



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Vantor

File No. C-4724

## NEW MEXICO OFFICE OF THE STATE ENGINEER



### WR-07 APPLICATION FOR PERMIT TO DRILL

#### A WELL WITH NO WATER RIGHT



(check applicable box):

For fees, see State Engineer website: <http://www.ose.state.nm.us/>

Purpose:	<input type="checkbox"/> Pollution Control And/Or Recovery	<input type="checkbox"/> Ground Source Heat Pump
<input type="checkbox"/> Exploratory Well*(Pump test)	<input type="checkbox"/> Construction Site/Public Works Dewatering	<input checked="" type="checkbox"/> Other(Describe): Groundwater Determination
<input type="checkbox"/> Monitoring Well	<input type="checkbox"/> Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.  
 \*New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.

<input type="checkbox"/> Temporary Request - Requested Start Date:	Requested End Date:
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Plugging Plan of Operations Submitted?  Yes  No

OSE DTI MAR 27 2023 PM 1:20

### 1. APPLICANT(S)

Name: Devon Energy	Name:
Contact or Agent: Dale Woodall	Contact or Agent:
check here if Agent <input type="checkbox"/>	check here if Agent <input type="checkbox"/>
Mailing Address: 6488 7 Rivers Hwy	Mailing Address:
City: Artesia	City:
State: NM	State:
Zip Code: 88210	Zip Code:
Phone: 575-748-1838	Phone:
Phone (Work):	Phone (Work):
<input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell	<input type="checkbox"/> Home <input type="checkbox"/> Cell
E-mail (optional): Dale.Woodall@dvn.com	E-mail (optional):

FOR OSE INTERNAL USE

Application for Permit, Form WR-07, Rev 07/12/22

File No.: <u>C-4724</u>	Trm. No.: <u>745162</u>	Receipt No.: <u>245601</u>
Trans Description (optional): <u>MON</u>		
Sub-Basin: <u>CUB</u>	PCW/LOG Due Date: <u>3-29-2024</u>	

**2. WELL(S)** Describe the well(s) applicable to this application.

**Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84). District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.**

- NM State Plane (NAD83) (Feet)       UTM (NAD83) (Meters)       Lat/Long (WGS84) (to the nearest 1/10<sup>th</sup> of second)  
 NM West Zone                               Zone 12N  
 NM East Zone                                    Zone 13N  
 NM Central Zone

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves, Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
C-4724 POD1(TW-1)	103° 46' 15"	32° 18' 45"	SE SW SW Sec.10 T23S R31S NMPM

050 00 MAR 27 2023 PM 1:20

**NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)**  
**Additional well descriptions are attached:**  Yes  No **If yes, how many \_\_\_\_\_**

Other description relating well to common landmarks, streets, or other:

8-Aleutian 10 3 Fed Com 211

Well is on land owned by: Bureau of Land Management

**Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached?**  Yes  No  
 If yes, how many \_\_\_\_\_

Approximate depth of well (feet): 55      Outside diameter of well casing (inches): 6.5" boring

Driller Name: Jackie D. Atkins      Driller License Number: 1249

**3. ADDITIONAL STATEMENTS OR EXPLANATIONS**

A Soil Boring to determine depth up to 55 feet. Temporary PVC well material will be placed to total depth and secured at surface. Temporary well will be in place for minimum of 72 hours. If ground water is encountered the boring will be plugged immediately using augers as tremie to land a slurry of Portland TYPE I/II Neat cement less than 6.0 gallons of water per 94 lb. sack. If no water is encountered then drill cuttings will be used to (10) ten feet of land surface and plugged using hydrated bentonite.

FOR OSE INTERNAL USE      Application for Permit, Form WR-07 Version 07/12/22

File No.: C-4724	Trn No.: 745162
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**4. SPECIFIC REQUIREMENTS:** The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

<p><b>Exploratory:</b> Is proposed well a future public water supply well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NO If Yes, an application must be filed with NMED-DWB, concurrently. <input type="checkbox"/> Include a description of the requested pump test if applicable.</p>	<p><b>Pollution Control and/or Recovery:</b> <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.</p>	<p><b>Construction De-Watering:</b> <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of.</p> <p><b>Ground Source Heat Pump:</b> <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.</p>	<p><b>Mine De-Watering:</b> <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water. <input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.</p>
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**ACKNOWLEDGEMENT**

I, We (name of applicant(s)), Dale Woodall (Devon Energy)

Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

OSE OIT MAR 27 2023 PM 1:20

Dale Woodall

Dale Woodall (Oct 7, 2022 10:27 MDT)

Applicant Signature

Applicant Signature

**ACTION OF THE STATE ENGINEER**

This application is:

approved  partially approved  denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 29<sup>th</sup> day of March 20 23, for the State Engineer,

Mike A. Hamman P.E., State Engineer

By: K. Parekh  
Signature

Kashyap Parekh  
Print

Title: Water Resources Manager I.  
Print

FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 07/12/22

File No.: C-4724

Trn No.: 745162

**NEW MEXICO STATE ENGINEER OFFICE  
PERMIT TO EXPLORE**

**SPECIFIC CONDITIONS OF APPROVAL**

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: C 04724 POD1

File Number: C 04724

Trn Number: 745162

NEW MEXICO STATE ENGINEER OFFICE  
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- 17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record. The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- 17-Q The State Engineer retains jurisdiction over this permit.
- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

Trn Desc: C 04724 POD1

File Number: C 04724

Trn Number: 745162

**NEW MEXICO STATE ENGINEER OFFICE  
PERMIT TO EXPLORE**

**SPECIFIC CONDITIONS OF APPROVAL (Continued)**

LOG The Point of Diversion C 04724 POD1 must be completed and the Well Log filed on or before 03/28/2024.

IT IS THE PERMITEE'S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

**ACTION OF STATE ENGINEER**

Notice of Intention Rcvd: Date Rcvd. Corrected:  
Formal Application Rcvd: 03/27/2023 Pub. of Notice Ordered:  
Date Returned - Correction: Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 29 day of Mar A.D., 2023

Michelle A. Hamman, P.E., State Engineer

By: K. Parekh  
KASHYAP PAREKH

Trn Desc: C 04724 POD1

File Number: C 04724

Trn Number: 745162



**United States Department of the Interior**

**BUREAU OF LAND MANAGEMENT**

Carlsbad Field Office  
620 E. Greene St.  
Carlsbad, NM 88220-6292

In Reply Refer To:  
3162.4 (NM-080)  
NMNM-77046

March 21, 2023

NM Office of the State Engineer  
1900 W. Second St.  
Roswell, NM 88201

Re: Aleutian 10-3 Fed Com 211  
Section 10, T23S-R31E  
30-015-46964  
Eddy County, New Mexico

QSE DIT MAR 27 2023 PM 1:21

To Whom It May Concern:

The above well location and the immediate area mentioned above requires advanced soil boring to take place at approximately 55 feet below ground surface. The boring will be secured and left open for 72 hours at which time Devon Energy Production Company will assess for the presence or absence of groundwater. Temporary PVC well material will be placed to total depth of the boring and secured at the surface. If water is encountered at any point during the boring, installation of the soil boring will be plugged using Portland Type I/II neat cement less than 6.0 gallons of water per 94lb sack. If no water is encountered, then the soil boring will be plugged. The Bureau of Land Management (landowner) authorizes the access of the area to accomplish depth to groundwater determination of this site.

If you have any questions contact Crisha Morgan, at 575-234-5987.

Sincerely,

Crisha A. Morgan  
Certified Environmental Protection Specialist

4183134264264

4184134264264

4183135264264

4184135264264

Larry Brotman, Esri, HERE, Garmin, (c) OpenStreetMap contributors, U.S. Department of Energy Office of Legacy Management

NEW MEXICO OFFICE OF THE STATE ENGINEER

1:4,514



3/29/2023



These maps were last reviewed by the New Mexico Office of the State Engineer (OSE) to verify that these maps accurately represent the current data used in their preparation. However, in respect of error is inherent in all maps, and these maps may contain omissions and errors in scale, resolution, registration, positional accuracy, development methodology, interpretation of source data, and other circumstances. These maps are distributed "as is" without warranty of any kind.

Spatial Information

County: Eddy
Groundwater Basin: Carlsbad
Abstract Area: Carlsbad 72-12-1
Land Grant: NoCarlsbad Underground Basin
Restrictions:

NA
PLSS Description
SESESWSW Qtr of Sec 10 of 23S 031E

Derived from CADNSDI- Qtr Sec. locations are calculated and are only approximations

POD Information

Owner:
File Number:
POD Status: NoData
Permit Status: NoData
Permit Use: NoData
Purpose:

Coordinates
UTM - NAD 83 (m) - Zone 13

Easting 615710.559
Northing 3575737.741

State Plane - NAD 83 (f) - Zone E

Easting 715115.842
Northing 477873.910

Degrees Minutes Seconds

Latitude 32 : 18 : 45.000000
Longitude -103 : 46 : 15.000000

Location pulled from Coordinate Search

Parcel Information

UPC/DocNum: 4184134264264
Parcel Owner: Bureau Of Land
Address: W Of Jal Highway Loving 88256

Legal: Quarter: Ne S: 10 T: 23S R: 31E Quarter: Nw S: 10 T: 23S R: 31E Quarter: Sw S: 10 T: 23S R: 31E Quarter: Se S: 10 T: 23S R: 31E All

- Coord Search Location
OSE District Boundary
New Mexico State Trust Lands
Both Estates
Bernalillo County Parcels 2022
Catron County Parcels 2022
Chaves County Parcels 2022
Cibola County Parcels 2022
Colfax County Parcels 2022
Curry County Parcels 2022
De Baca County Parcels 2022
Doña Ana County Parcels 2022
Eddy County Parcels 2022
Harding County Parcels 2022
Hidalgo County Parcels 2022
Grant County Parcels 2022
Guadalupe County Parcels 2022
Lea County Parcels 2022
Lincoln County Parcels 2022
Los Alamos County Parcels 2022
Luna County Parcels 2022
McKinley County Parcels 2022
Mora County Parcels 2022
Otero County Parcels 2022
Quay County Parcels 2022
Rio Arriba County Parcels 2022
Roosevelt County Parcels 2022
Sandoval County Parcels 2022
San Juan County Parcels 2022
San Miguel County Parcels 2022
Santa Fe County Parcels 2022
Sierra County Parcels 2022
Socorro County Parcels 2022
Taos County Parcels 2022
Torrance County Parcels 2022
Union County Parcels 2022
Valencia County Parcels 2022
SiteBoundaries

Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER

Trn Nbr: 745162  
File Nbr: C 04724

Mar. 29, 2023

DEVON WOODALL  
DEVON ENERGY  
6488 7 RIVERS HWY  
ARTESIA, NM 88210

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- \* If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- \* If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- \* The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- \* This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website [www.ose.state.nm.us](http://www.ose.state.nm.us).

Sincerely,

A handwritten signature in cursive script that reads "Vanessa Clements".

Vanessa Clements  
(575) 622-6521

Enclosure

explores



# WELL PLUGGING PLAN OF OPERATIONS



**NOTE:** A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

**Alert!** Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology [geoinfo.nmt.edu/resources/water/cgmn/](http://geoinfo.nmt.edu/resources/water/cgmn/) if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email [nmbg-waterlevels@nmt.edu](mailto:nmbg-waterlevels@nmt.edu), prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

**I. FILING FEE:** There is no filing fee for this form.

**II. GENERAL / WELL OWNERSHIP:**  Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: C-4724- (POD-1)

Name of well owner: Devon Energy

Mailing address: 6488 7 Rivers Hwy County: Eddy

City: Artesia State: NM Zip code: 88210

Phone number: 575-748-1838 E-mail: Dale.Woodall@dvn.com

OSE DIT MAR 27 2023 PM 1:21

**III. WELL DRILLER INFORMATION:**

Well Driller contracted to provide plugging services: Jackie D. Atkins (Atkins Engineering Associates)

New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/2023

**IV. WELL INFORMATION:**  Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section.

Note: A copy of the existing Well Record for the well(s) to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 32 deg, 18 min, 45.0 sec  
Longitude: 103 deg, 46 min, 15.0 sec, NAD 83

2) Reason(s) for plugging well(s):

Soil boring to determine groundwater level

3) Was well used for any type of monitoring program? NO If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? N/A If yes, provide additional detail, including analytical results and/or laboratory report(s):

5) Static water level: Unknown feet below land surface / feet above land surface (circle one)

6) Depth of the well: 55 feet

- 7) Inside diameter of innermost casing: 6.5 boring inches.
- 8) Casing material: 2" Temporary PVC Sch 40 to be removed prior to plugging
- 9) The well was constructed with:
  - an open-hole production interval, state the open interval: \_\_\_\_\_
  - a well screen or perforated pipe, state the screened interval(s): \_\_\_\_\_
- 10) What annular interval surrounding the artesian casing of this well is cement-grouted? N/A
- 11) Was the well built with surface casing? \_\_\_\_\_ If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? \_\_\_\_\_ If yes, please describe:
- 12) Has all pumping equipment and associated piping been removed from the well? \_\_\_\_\_ If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

**V. DESCRIPTION OF PLANNED WELL PLUGGING:**  If plugging method differs between multiple wells on same site, a separate form must be completed for each method.

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan.

Also, if this planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.

- 1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:  

The temporary well material will be removed. Tremied from bottom to land Neat Cement in lifts
- 2) Will well head be cut-off below land surface after plugging? N/A

**VI. PLUGGING AND SEALING MATERIALS:**

OSE OIT MAR 27 2023 PM 1:21

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix recipe from the cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved sealants.

- 1) For plugging intervals that employ cement grout, complete and attach Table A.
- 2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.
- 3) Theoretical volume of grout required to plug the well to land surface: 94
- 4) Type of Cement proposed: Type I/II Neat Cement
- 5) Proposed cement grout mix: <6.0 gallons of water per 94 pound sack of Portland cement.
- 6) Will the grout be: \_\_\_\_\_ batch-mixed and delivered to the site  
X mixed on site

7) Grout additives requested, and percent by dry weight relative to cement:

N/A

8) Additional notes and calculations:

N/A

**VII. ADDITIONAL INFORMATION;** List additional information below, or on separate sheet(s):

The temporary well material will be removed. If no water is encountered then drill cuttings will be used to (10) ten feet of land surface and plugged using hydrated bentonite. If ground water is encountered the boring will be plugged tremie from bottom to a slurry of Portland TYPE I/II Neat cement in lifts. A 6.5" borehole will be plugged.

USE DIT MAR 27 2023 PM 1:24

**VIII. SIGNATURE;**

I, Dale Woodall, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Dale Woodall  
Dale Woodall (Aug 11, 2022 12:45 MDT)

8/11/2022

Signature of Applicant

Date

**IX. ACTION OF THE STATE ENGINEER;**

This Well Plugging Plan of Operations is:

- Approved subject to the attached conditions.
- Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 30th day of March, 2023

Mike A. Hamman, P.E.

\_\_\_\_\_, New Mexico State Engineer

By Samantha Davis  
Water Resources Professional II



**TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.**

	<b>Interval 1 – deepest</b>	<b>Interval 2</b>	<b>Interval 3 – most shallow</b>
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	N/A	N/A	0
Bottom of proposed interval of grout placement (ft bgl)	N/A	N/A	55
Theoretical volume of grout required per interval (gallons)	N/A	N/A	94
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement	N/A	N/A	<6.0
Mixed on-site or batch-mixed and delivered?	N/A	N/A	On-Site
Grout additive 1 requested	N/A	N/A	N/A CASE DIT MAR 27 2023 PM 1:21
Additive 1 percent by dry weight relative to cement	N/A	N/A	N/A
Grout additive 2 requested	N/A	N/A	N/A
Additive 2 percent by dry weight relative to cement	N/A	N/A	N/A

**TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.**

	<b>Interval 1 – deepest</b>	<b>Interval 2</b>	<b>Interval 3 – most shallow</b>
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)	N/A	N/A	0
Bottom of proposed sealant of grout placement (ft bgl)	N/A	N/A	10
Theoretical volume of sealant required per interval (gallons)	N/A	N/A	15
Proposed abandonment sealant (manufacturer and trade name)	N/A	N/A	Bariod Hole Plug 05E 001 MAR 27 2023 PM 1:22



**STATE OF NEW MEXICO**  
**OFFICE OF THE STATE ENGINEER**  
**ROSWELL**  
 1900 West Second St.  
 Roswell, New Mexico 88201  
 Phone: (575) 622-6521  
 Fax: (575) 623- 8559

Applicant has identified wells, listed below, to be plugged. Jackie D. Atkins (Atkins Engineering Associates Inc.) (WD-1249) will perform the plugging.

Permittee: Devon Energy  
 NMOSE Permit Number: C-4724-POD1

NMOSE File	Casing diameter (inches)	Well depth (feet bgl)	Approximate static water level (feet bgl)	Latitude	Longitude
C-4724-POD1	6.5 (Soil Boring)	55	Unknown	32° 18' 45.0"	103° 46' 15.0"

**Specific Plugging Conditions of Approval for Well located in Eddy County, New Mexico.**

1. Water well drilling and well drilling activities, including well plugging, are regulated under 19.27.4 NMAC, which requires any person engaged in the business of well drilling within New Mexico to obtain a Well Driller License issued by the New Mexico Office of the State Engineer (NMOSE). Therefore, the firm of a New Mexico licensed Well Driller shall perform the well plugging.
2. Ground Water encountered: The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 94.7 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 55 feet.
3. Dry Hole: The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 17.2 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 10 feet.
4. **Ground Water encountered:** Type I/II Portland cement mixed with 5.2 to 6.0 gallons of fresh water per 94-lb sack of cement is approved for the plugging the well.
5. **Dry Hole:** (a) Drill cuttings up to ten feet of land surface. (b) 10 feet to 0 feet – Hydrated bentonite. The bentonite shall be hydrated separately with its required increments of water prior to being mixed into the cement slurry.

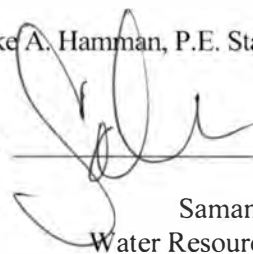
6. Sealant shall be placed by pumping through a tremie pipe extended to near well bottom and kept below top of the slurry column as the well is plugged from bottom-upwards in a manner that displaces the standing water column upwards from below. Tremie pipe may be pulled as necessary to retain minimal submergence in the advancing column of sealant.
7. Should cement “shrinks-back” occur in the well, use of a tremie for topping off is required for cement placement deeper than 20 feet below land surface or if water is present in the casing. The approved sealant for topping off is identified in condition 3 & 4 of these Specific Conditions of Approval.
8. Any open annulus encountered surrounding the casing shall also be sealed by the placement of the approved sealant. When plugging shallow wells with no construction or environmental concerns, and if the well record on a well to be plugged shows a proper 20-foot annular seal, a plugging plan can propose the use of clean fill material to a nominal 30 feet bgs, then placing an OSE approved sealant to surface. Lacking that information, we would require an excavation of at least 2-feet which shall then be filled in its entirety with sealant to surface.
9. Should the NMED, or another regulatory agency sharing jurisdiction of the project authorize, or by regulation require a more stringent well plugging procedure than herein acknowledged, the more-stringent procedure should be followed. This, in part, includes provisions regarding pre-authorization to proceed, contaminant remediation, inspection, pulling/perforating of casing, or prohibition of free discharge of any fluid from the borehole during or related to the plugging process.
10. NMOSE witnessing of the plugging of the shallow well will not be required.
11. Any deviation from this plan must obtain an approved variance from this office prior to implementation.
12. A Well Plugging Record itemizing actual abandonment process and materials used shall be filed with the State Engineer within 30 days after completion of well plugging. For the plugging record, please resurvey coordinate location for well and note coordinate system for GPS unit. Please attach a copy of these plugging conditions.

The NMOSE Well Plugging Plan of Operations is hereby approved with the aforesaid conditions applied.

Witness my hand and seal this 30<sup>th</sup> day of March 2023

Mike A. Hamman, P.E. State Engineer

By: \_\_\_\_\_



Samantha Davis  
Water Resources Professional II





**STATE OF NEW MEXICO**  
OFFICE OF THE STATE ENGINEER  
ROSWELL

**Mike A. Hamman, P.E.**  
State Engineer

**DISTRICT II**  
1900 West Second St.  
Roswell, New Mexico 88201  
Phone: (575) 622-6521  
Fax: (575) 623-8559

March 30, 2023

Devon Energy  
6488 7 Rivers Hwy  
Artesia, NM 88210

RE: Well Plugging Plan of Operations for well no. C-4724-POD1

Greetings:

Enclosed is your copy of the Well Plugging Plan of Operations for the above referenced well subject to the attached Conditions of Approval. The proposed method of operation is found to be acceptable and in accordance with the Rules and Regulations Governing Well Driller Licensing; Construction, Repair and Plugging of Wells 19.27.4 NMAC adopted June 30, 2017 by the State Engineer. subject to the attached Conditions of Approval.

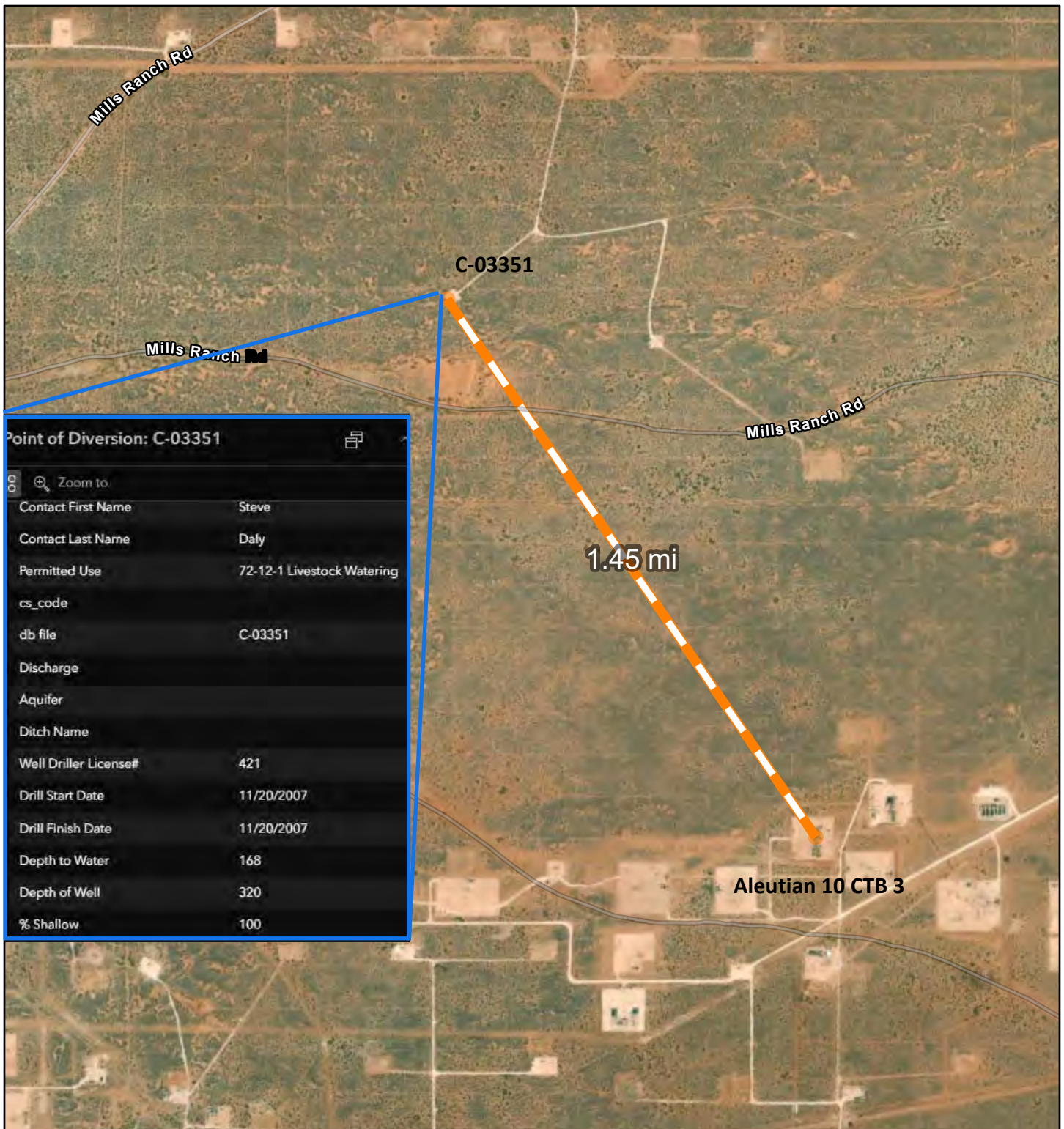
Within 30 days after the well is plugged, the well driller is required to file a complete plugging record with the OSE and the permit holder.

Sincerely,

A handwritten signature in black ink, appearing to read "Samantha Davis", written over a horizontal line.

Samantha Davis  
Water Resources Professional II

# Aleutian 10 CTB 3 - Domestic Well Stock Watering Distance Map



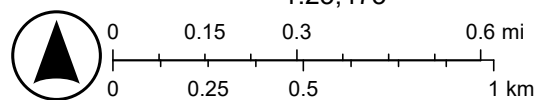
Point of Diversion: C-03351

Contact First Name	Steve
Contact Last Name	Daly
Permitted Use	72-12-1 Livestock Watering
cs_code	
db file	C-03351
Discharge	
Aquifer	
Ditch Name	
Well Driller License#	421
Drill Start Date	11/20/2007
Drill Finish Date	11/20/2007
Depth to Water	168
Depth of Well	320
% Shallow	100

3/6/2026, 10:58:34 AM

- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery
- High Resolution 30cm Imagery
- Citations
- 4.8m Resolution Metadata

**Nearest Domestic Well**  
 C-03351  
**Well Type**  
 Stock Watering  
**Distance**  
 1.45 miles



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Vantor

Dj

File Number: C-3351  
Sub Basin: \_\_\_\_\_

**NEW MEXICO OFFICE OF THE STATE ENGINEER  
APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS**

2-24306  
#1500

IN ACCORDANCE WITH SECTIONS 72-12-1.1, 72-12-1.2, or 72-12-1.3 NEW MEXICO STATUTES

Date rec'd October 9, 2007

**1. APPLICANT**

Name: United States - Bureau Of Land Management - Carlsbad Field Office  
Address: 620 E. Greene Street  
City: Carlsbad  
State: NM Zip: 88220  
Phone: 505-234-5942 Phone: 505-234-2220  
Contact: Steve Daly Rick Friese

**2. LOCATION OF WELL (A or B required, C required, if applicable, D required)**

A. NAD 83 (Select Appropriate Coordinate System and Zone) →

NOTE: State Plane units - feet, UTM units - meters

X = 614968.79 Y = 3577879.68

State Plane	<input type="checkbox"/> NM West Zone
	<input type="checkbox"/> NM Central Zone
	<input type="checkbox"/> NM East Zone
UTM	<input checked="" type="checkbox"/> UTM Zone 13N
	<input type="checkbox"/> UTM Zone 12N

B. Latitude: 32 d 19 m 54.22 s  
Longitude: 103 d 46 m 42.80 44.54  
(Enter Lat/Long to at least 1/10<sup>th</sup> of a second)

Grant (If Applicable) \_\_\_\_\_

C. Subdivision \_\_\_\_\_ Recorded in County of \_\_\_\_\_  
Lot No. \_\_\_\_\_, Block No. \_\_\_\_\_

D. On land owned by: United States - Bureau Of Land Management

E. Tract No. \_\_\_\_\_, Map No. \_\_\_\_\_ of the \_\_\_\_\_ Hydrographic Survey

F. Is this well within a municipality? NO if yes, where? \_\_\_\_\_

G. Give State Engineer File Number if existing well: New well to be drilled at location below:

H. SE 1/4 NW 1/4 SE 1/4 Section 4 Township 23 S. Range 31 E.

I. Other \_\_\_\_\_

**3. USE OF WATER (check use applied for)**

- Domestic use for one household
- Livestock watering
- Domestic well to accompany a house or other dwelling unit constructed for sale.
- Domestic use to serve \_\_\_\_\_ households
- Drinking and sanitary uses that are incidental to the operations of a governmental, commercial, or non-profit facility
- Prospecting, mining or drilling operations to discover or develop natural resources
- Construction of public works, highways and roads

STATE ENGINEER OFFICE  
CARLSBAD, NEW MEXICO  
2007 OCT - P 1: 16

Trn Desc: Stock File Number: C-3351  
Log Due Date: 11/30/2008 Trn Number: 393496 469289  
Form: wr-01

DT

Number: C-3351  
Sub Basin: \_\_\_\_\_

**NEW MEXICO OFFICE OF THE STATE ENGINEER  
APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS  
IN ACCORDANCE WITH SECTIONS 72-12-1.1, 72-12-1.2, or 72-12-1.3 NEW MEXICO STATUTES**

**4. WELL INFORMATION**

Name of well driller and driller license number: \_\_\_\_\_  
WD#: \_\_\_\_\_

Approximate depth \_\_\_\_\_ feet; Outside diameter of casing \_\_\_\_\_ inches.

- Replacement well
- Repair or Deepen:
  - Clean out well to original depth
  - Deepen well from \_\_\_\_\_ to \_\_\_\_\_ feet
  - Other \_\_\_\_\_
- Supplemental well

**5. ADDITIONAL STATEMENTS OR EXPLANATIONS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STATE ENGINEER OFFICE  
NEW MEXICO  
2010-11-9 P 1:16

**ACKNOWLEDGEMENT**

For  
I, Jim Stovall - Field Manager - CFO affirm that the  
(Please Print)  
foregoing statements are true to the best of my knowledge and belief.

J. D. Whitlock Jr. 10/5/2007  
Applicant Signature

**ACTION OF THE STATE ENGINEER**

This application is approved subject to the attached general and specific conditions of approval.

Witness my hand and seal this 16th day of November, 2007.

John R. D'Antonio, Jr. P.E., State Engineer

By: Bill Duemling  
Bill Duemling

Trn Desc: Stock File Number: C-3351  
Log Due Date: 11/30/2008 Trn Number: 393496  
Form: wr-01

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NEW MEXICO STATE ENGINEER OFFICE  
APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS  
IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES

GENERAL CONDITIONS OF APPROVAL (A thru O)

- 06-A The maximum amount of water that may be appropriated under this permit is 3.000 acre-feet in any year.
- 06-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated. A licensed driller shall not be required for the construction of a driven well; provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter (Section 72-12-12).
- 06-C Driller's well record must be filed with the State Engineer within 20 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- 06-D The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- 06-E To request a change to the use of water authorized under this permit, the permittee shall file an application with the State Engineer.
- 06-F An application for a new 72-12-1.1 domestic well permit where the proposed point of diversion is to be located on the same legal lot of record as an operational 72-12-1.1 domestic well shall be treated as an application for a supplemental well.
- 06-G If artesian water is encountered, all rules and regulations pertaining to the drilling and casing of artesian wells shall be complied with.
- 06-H The drilling of the well and amount and uses of water permitted are subject to such limitations as may be imposed by a court or by lawful municipal or county ordinance which are more restrictive than the conditions of this permit and applicable State Engineer regulations.
- 06-I The permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.

Trn Desc: C 03351  
Log Due Date: 11/30/2008  
Form: wr-01

File Number: C 03351  
Trn Number: 393496

**NEW MEXICO STATE ENGINEER OFFICE  
APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS  
IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES**

**GENERAL CONDITIONS OF APPROVAL (Continued)**

- 06-J The well shall be set back a minimum of 50 ft. from an existing well of other ownership unless a variance has been granted by the State Engineer. The State Engineer may grant a variance for a replacement well or to allow for maximum spacing of the well from a source of groundwater contamination. The well shall be set back from potential sources of contamination in accordance with rules and regulations of the NM Environment Department.
- 06-K Pursuant to section 72-8-1 NMSA, the permittee shall allow the State Engineer and his representatives entry upon private property for the performance of their respective duties, including access to the well for meter reading and water level measurement.
- 06-L The permit is subject to cancellation for non-compliance with the conditions of approval or if otherwise not exercised in accordance with the terms of the permit.
- 06-M The right to divert water under this permit is subject to curtailment by priority administration as implemented by the State Engineer or a court.
- 06-N In the event of any change of ownership to this permit the new owner shall file a change of ownership form with the State Engineer in accordance with Section 72-1-2.1 NMSA.
- 06-O This well permit shall automatically expire unless the well is completed and the well record is filed with the State Engineer within one year of the date of issuance of the permit. It is the responsibility of the permit holder to ensure that the well record has been properly filed with the State Engineer.

**SPECIFIC CONDITIONS OF APPROVAL**

- 06-4 Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.
- 06-18 Any diversion of water made in excess of the authorized maximum diversion amount shall be repaid with twice the amount of the over-diversion during the following calendar year. Repayment shall be made by either: (a) reducing the diversion from the well that is the source of the over-diversion; or (b) acquiring or leasing a valid, existing consumptive use water right in an amount equal to the repayment amount and submitting to the State Engineer for his approval a plan for the proposed repayment.

Trn Desc: C 03351  
Log Due Date: 11/30/2008  
Form: wr-01

File Number: C 03351  
Trn Number: 393496

page: 2

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NEW MEXICO STATE ENGINEER OFFICE  
APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS  
IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES

LOG This permit will automatically expire unless the well C 03351 POD1 is completed and the well record filed on or before 11/30/2008.

ACTION OF STATE ENGINEER

This application is approved for the use indicated, subject to all general conditions and to specific conditions listed above.

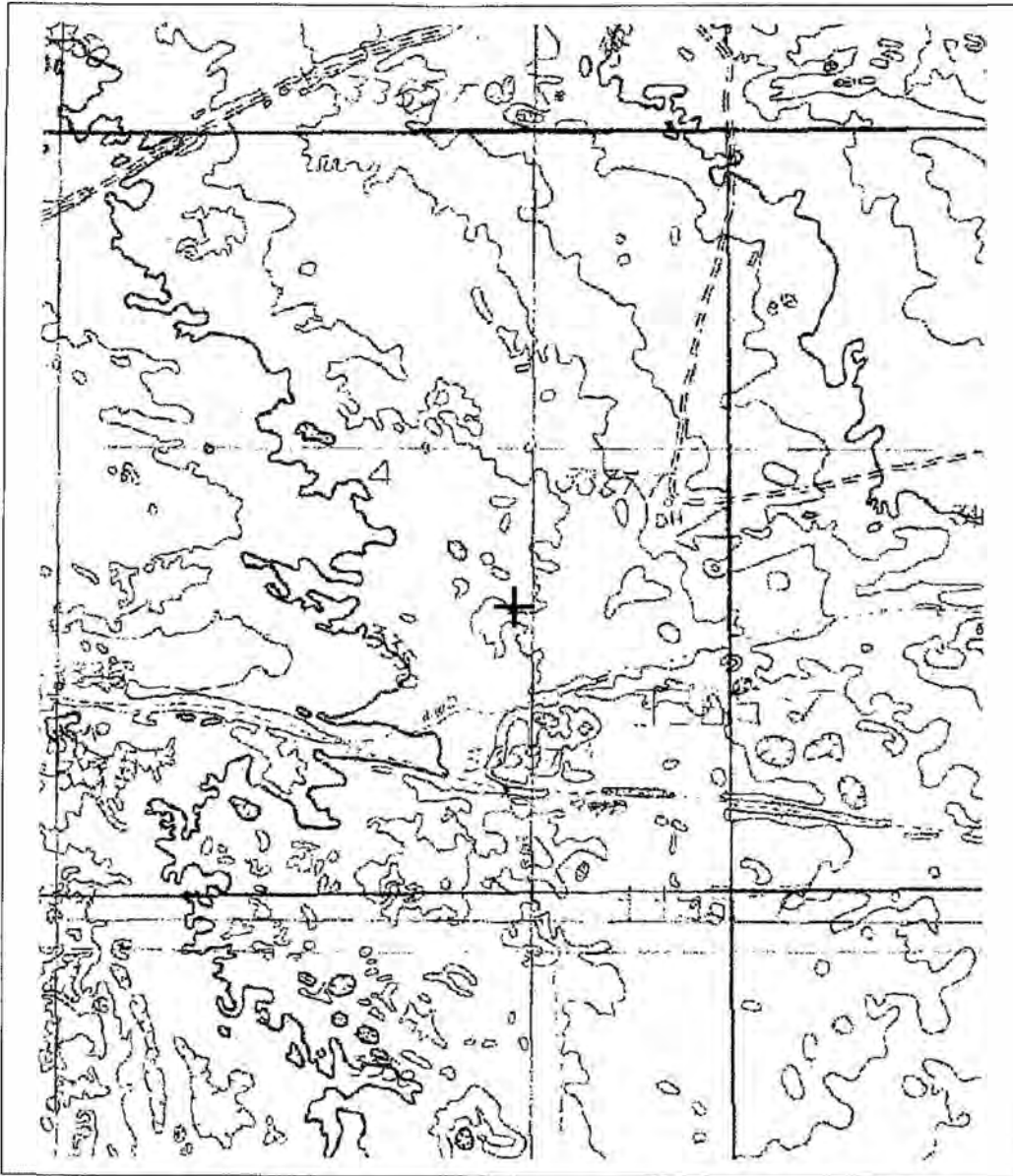
Witness my hand and seal this 15 day of Nov A.D., 2007

John R. D Antonio, Jr., P.E., State Engineer

By: Bill Duemling  
Bill Duemling

**NEW MEXICO OFFICE OF STATE ENGINEER**

**erator Tool Report**



WR File Number: C-03351

Scale: 1:15,745

Northing/Easting: UTM83(92) (Meter): N: 3,577,862

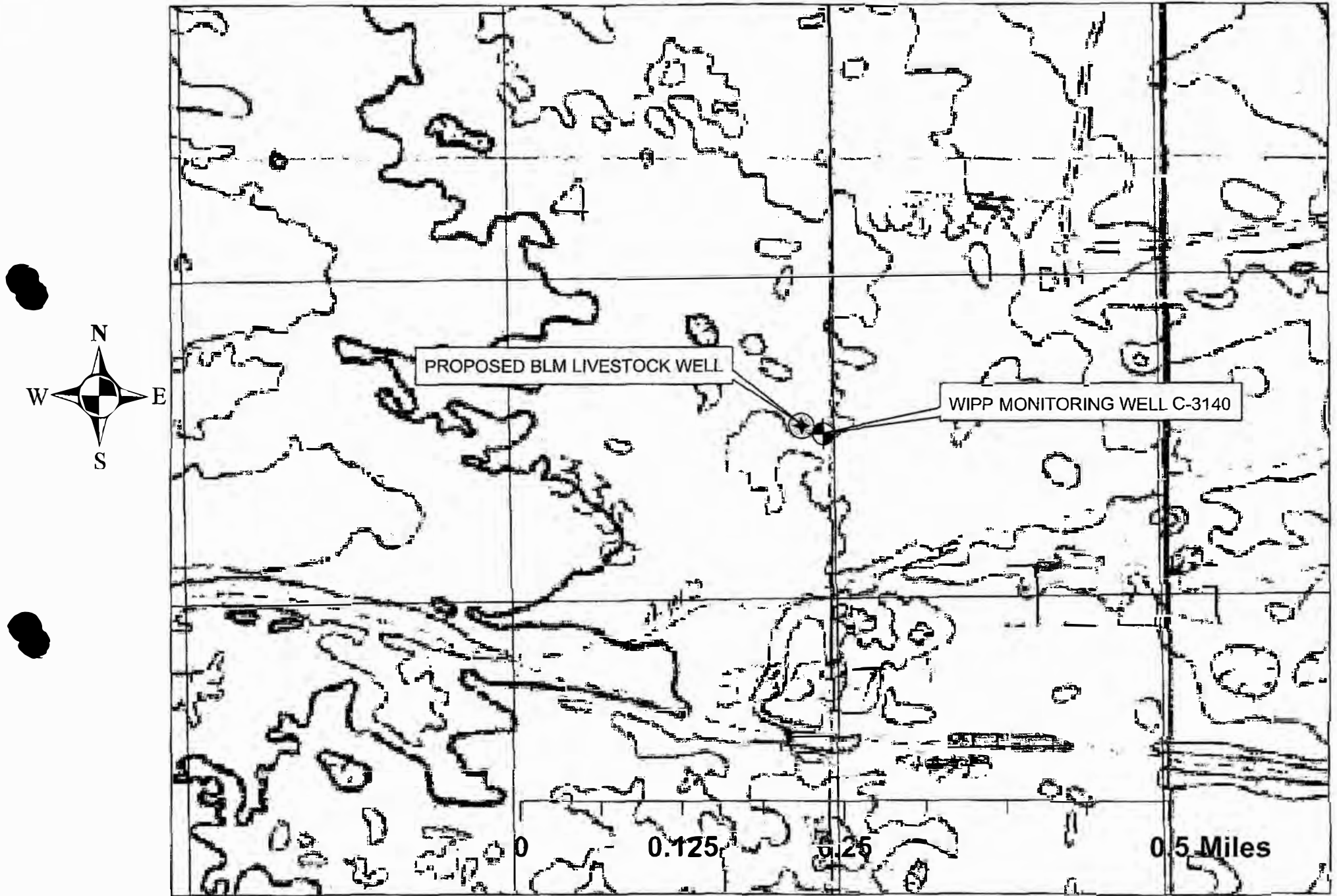
E: 614,916

Northing/Easting: SPCS83(92) (Feet): N: 484,860

E: 712,553

GW Basin: Carlsbad

# WIPP MONITORING WELL C-3140 & PROPOSED LESSEE STOCK WELL



**T. 23S, R. 31E, Section 4: SE/4**

SL

John R. D Antonio, Jr., P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 393496  
File Nbr: C 03351

Nov. 16, 2007

STEVE DALY  
US BLM CRLSB FLD OFFICE  
620 E GREENE STREET  
CARLSBAD, NM 88220

Greetings:

Enclosed is your copy of the 72-12-1 Permit which has been approved. Your attention is called to the Specific and the General Conditions of Approval of this permit.

In accordance with General Condition C, a well record shall be filed in this office within twenty (20) days after completion of drilling. The well record is proof of completion of the well. IT IS YOUR RESPONSIBILITY TO ASSURE THAT THE WELL LOG BE FILED WITHIN 20 DAYS OF DRILLING THE WELL..

This permit will expire on or before 11/30/2008, unless the well has been drilled and the well log filed in this office.

Sincerely,

A handwritten signature in black ink that reads "Bill Duemling".

Bill Duemling  
(505)622-6521

Enclosure

cc: Santa Fe Office

wr\_01app

Revised June 1972

STATE ENGINEER OFFICE  
WELL RECORD

469289

Section 1. GENERAL INFORMATION

(A) Owner of well BLM- STACY MILLS Owner's Well No. C-3351  
Street or Post Office Address P.O. BOX 1358  
City and State LOVING, NEW MEXICO 88256

Well was drilled under Permit No. C-3351 and is located in the:

- a. SE ¼ NW ¼ SE ¼ of Section 4 Township 23-S Range 31-E N.M.P.M.
- b. Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_
- c. Lot No. \_\_\_\_\_ of Block No. \_\_\_\_\_ of the \_\_\_\_\_  
Subdivision, recorded in \_\_\_\_\_ County.
- d. X=614968.79 feet, Y=3577879.68 feet, N.M. Coordinate System \_\_\_\_\_ Zone in the \_\_\_\_\_ Grant.

(B) Drilling Contractor GLENN'S WATER WELL SERVICE INC. License No. WD-421  
Address P.O. BOX 692 TATUM, NEW MEXICO 88267

Drilling Began 11/20/07 Completed 11/20/07 Type tools ROTARY Size of hole 7 7/8 in.

Elevation of land surface or \_\_\_\_\_ at well is \_\_\_\_\_ ft. Total depth of well 320 ft.

Completed well is  shallow  artesian. Depth to water upon completion of well 168 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
240	265	25	SAND ROCK	25

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
8 5/8	.188	PE	1	20	20	NONE	CEMENTED	
6 5/8	.188	PE	1	304	304	NONE	152	304

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor \_\_\_\_\_  
Address \_\_\_\_\_  
Plugging Method \_\_\_\_\_  
Date Well Plugged \_\_\_\_\_  
Plugging approved by: \_\_\_\_\_

State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 12.4.07

Quad \_\_\_\_\_ FWL \_\_\_\_\_ FSL \_\_\_\_\_

File No. C-3351 Use SK Location No. 23S.31E.4.414

STATE ENGINEER OFFICE  
BOSWELL, NEW MEXICO  
2007 DEC -14 A 1:38





# Aleutian 10 CTB 3

Nearest Significant Watercourse and Wetlands: Riverine  
Distance: 0.90 miles



March 6, 2026

### Wetlands

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Lake
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Other
- Estuarine and Marine Wetland
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# Aleutian 10 CTB 3









Nearest Playa: Freshwater Pond

Distance: 1.29 miles



March 6, 2026

### Wetlands



- |  |   |  |
|--|---|--|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland       |  Lake     |
|  Estuarine and Marine Wetland   |  Freshwater Forested/Shrub Wetland |  Other    |
|  |  Freshwater Pond                   |  Riverine |

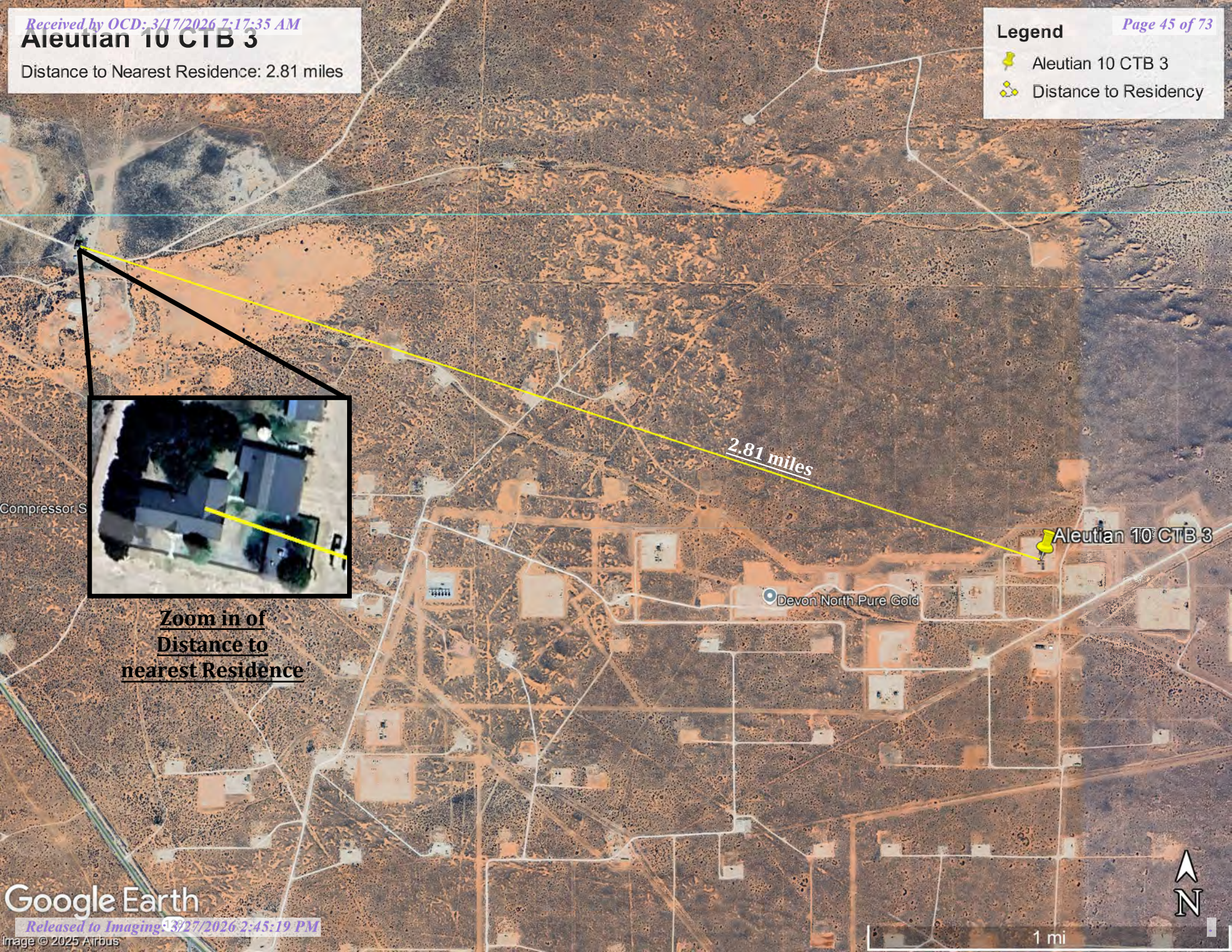
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# Aleutian 10 CTB 3

Distance to Nearest Residence: 2.81 miles

## Legend

-  Aleutian 10 CTB 3
-  Distance to Residency



2.81 miles

Aleutian 10 CTB 3

Devon North Pure Gold

Compressor S



Zoom in of  
Distance to  
nearest Residence

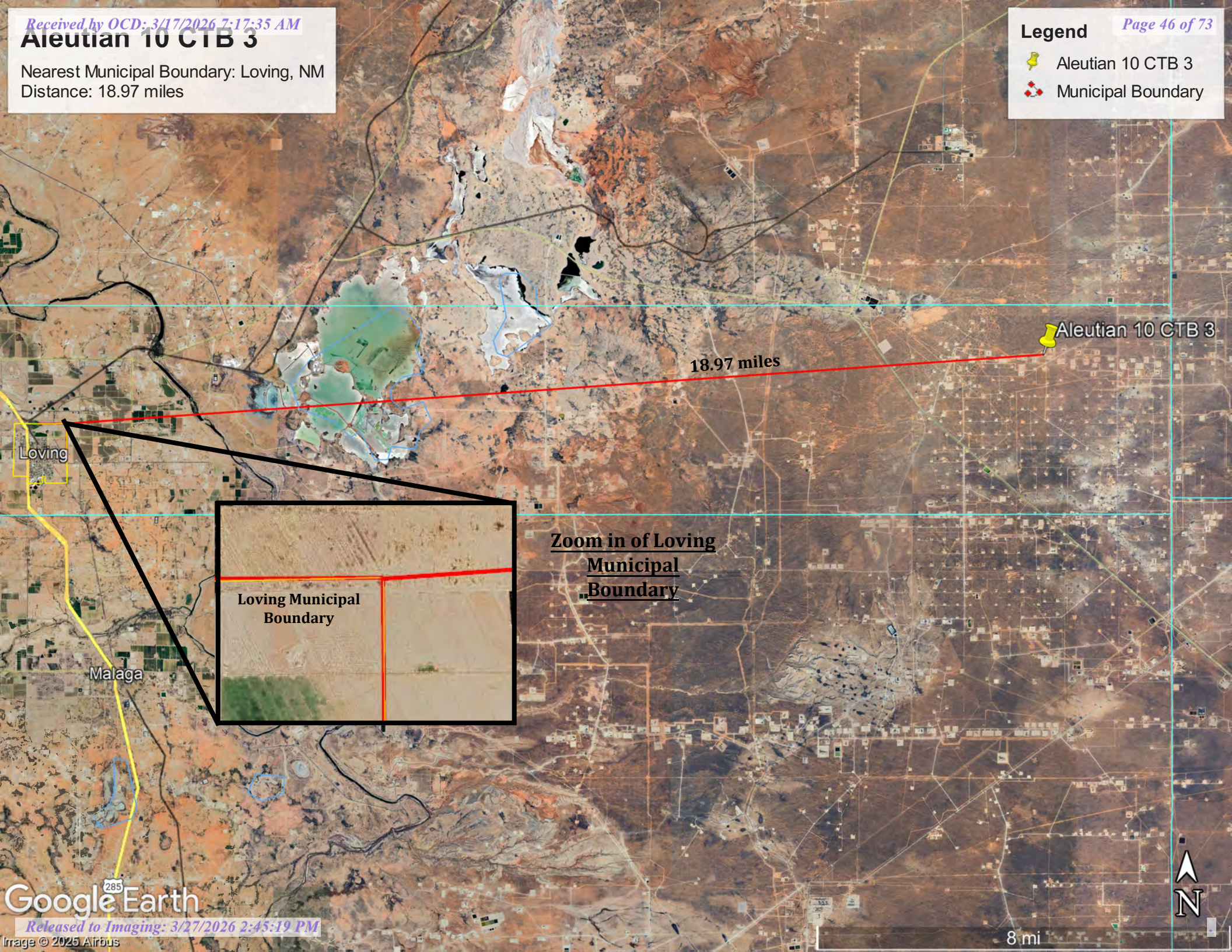


# Aleutian 10 CTB 3

Nearest Municipal Boundary: Loving, NM  
Distance: 18.97 miles

**Legend**

-  Aleutian 10 CTB 3
-  Municipal Boundary



Aleutian 10 CTB 3

18.97 miles

Loving

Zoom in of Loving  
Municipal  
Boundary

Loving Municipal  
Boundary

Malaga

285



# Aleutian 10 CTB 3 Mines Proximity Map



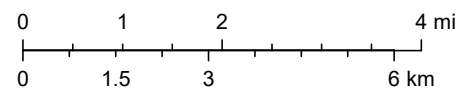
8/20/2025, 8:50:33 AM

1:144,448

### Registered Mines

- ✕ Aggregate, Stone etc.
- ✕ Aggregate, Stone etc.

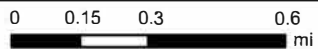
-  Potash
-  Salt



Esri, HERE, Garmin, Earthstar Geographics



### Aleutian 10 CTB 3 - Karst Potential



**New Mexico State Land Office**

Disclaimer: The New Mexico State Land Office assumes no responsibility or liability for, or in connection with the accuracy, reliability or use of the information provided herein with respect to State Land Office data or data from other sources.

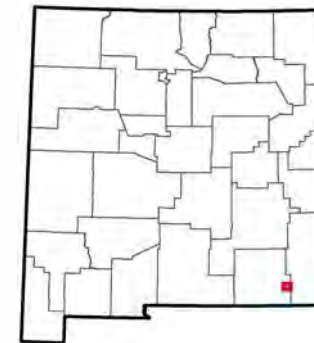
Data pertaining to New Mexico State Trust Lands are provisional and subject to revision, and do not constitute an official record of title. Official records may be reviewed at the New Mexico State Land Office in Santa Fe, New Mexico.

Released to Imaging: 3/27/2026 2:45:19 PM  
Map Created: 6/23/2025

- User drawn points
- Subdivisions
- Sections
- Townships
- County Boundaries
- State Boundary
- County Seats

- Karst\_Potential\_NM Potential
- High
  - Medium
  - Critical

**Aleutian 10 CTB 3**  
**Non-Karst Potential**  
 Zone  
**Distance to Medium**  
**Karst Potential**  
 2.67 miles



Aleutian 10  
CTB 3  
FEMA Zone X

Distance to Zone A  
8.77 miles



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS**
  - Without Base Flood Elevation (BFE) Zone A, V, A99
  - With BFE or Depth Zone AE, AO, AH, VE, AR
  - Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD**
  - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
  - Future Conditions 1% Annual Chance Flood Hazard Zone X
  - Area with Reduced Flood Risk due to Levee. See Notes. Zone X
  - Area with Flood Risk due to Levee Zone D
- OTHER AREAS**
  - NO SCREEN Area of Minimal Flood Hazard Zone X
  - Effective LOMRs
  - Area of Undetermined Flood Hazard Zone D
- GENERAL STRUCTURES**
  - Channel, Culvert, or Storm Sewer
  - Levee, Dike, or Floodwall
- OTHER FEATURES**
  - Cross Sections with 1% Annual Chance Water Surface Elevation
  - Coastal Transect
  - Base Flood Elevation Line (BFE)
  - Limit of Study
  - Jurisdiction Boundary
  - Coastal Transect Baseline
  - Profile Baseline
  - Hydrographic Feature
- MAP PANELS**
  - Digital Data Available
  - No Digital Data Available
  - Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/17/2025 at 9:28 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



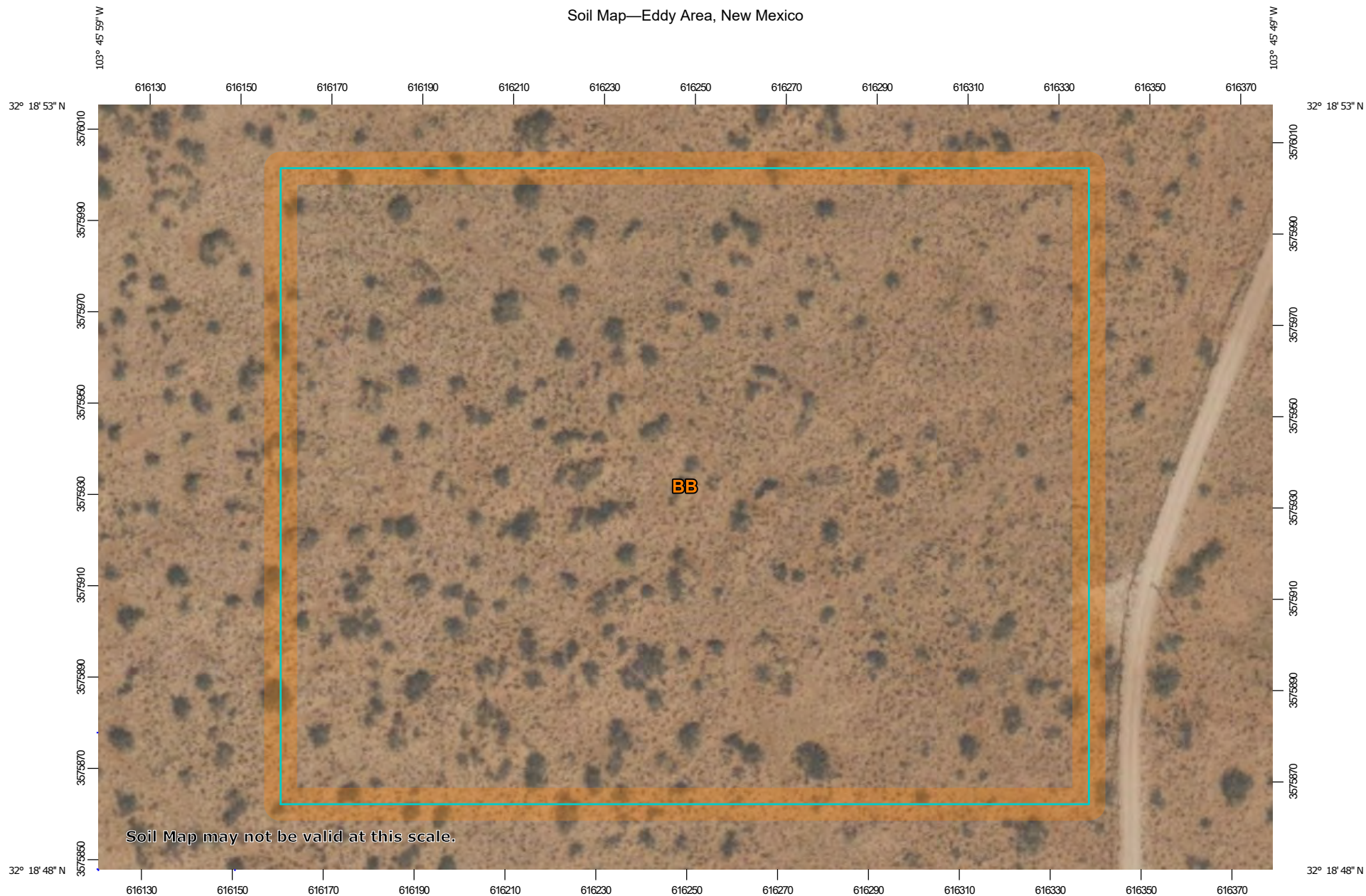
### Distance to Zone A Flood Zone Layer



Released to Imaging: 3/27/2026 2:45:19 PM

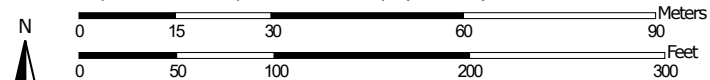
1:6,000  
Basemap Imagery Source: USGS National Map 2023

### Soil Map—Eddy Area, New Mexico



Soil Map may not be valid at this scale.

Map Scale: 1:1,180 if printed on A landscape (11" x 8.5") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84


Soil Map—Eddy Area, New Mexico


**MAP LEGEND**

**Area of Interest (AOI)**

 Area of Interest (AOI)




















**Soils**







 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

**Special Point Features**






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features


**Water Features**

 Streams and Canals

**Transportation**

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

**Background**

 Aerial Photography

**MAP INFORMATION**

The soil surveys that comprise your AOI were mapped at 1:20,000.

**Warning:** Soil Map may not be valid at this scale.  
 Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL:  
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico  
 Survey Area Data: Version 20, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Soil Map—Eddy Area, New Mexico

---

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BB	Berino complex, 0 to 3 percent slopes, eroded	6.1	100.0%
<b>Totals for Area of Interest</b>		<b>6.1</b>	<b>100.0%</b>

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

---

## Eddy Area, New Mexico

### BB—Berino complex, 0 to 3 percent slopes, eroded

#### Map Unit Setting

*National map unit symbol:* 1w43  
*Elevation:* 2,000 to 5,700 feet  
*Mean annual precipitation:* 5 to 15 inches  
*Mean annual air temperature:* 57 to 70 degrees F  
*Frost-free period:* 180 to 260 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Berino and similar soils:* 60 percent  
*Pajarito and similar soils:* 25 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Berino

##### Setting

*Landform:* Plains, fan piedmonts  
*Landform position (three-dimensional):* Riser  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Mixed alluvium and/or eolian sands

##### Typical profile

*H1 - 0 to 17 inches:* fine sand  
*H2 - 17 to 58 inches:* sandy clay loam  
*H3 - 58 to 60 inches:* loamy sand

##### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.60 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 40 percent  
*Maximum salinity:* Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water supply, 0 to 60 inches:* Moderate (about 8.0 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

---

*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: B*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

### Description of Pajarito

#### Setting

*Landform: Dunes, plains, interdunes*  
*Landform position (three-dimensional): Side slope*  
*Down-slope shape: Convex, linear*  
*Across-slope shape: Convex, linear*  
*Parent material: Mixed alluvium and/or eolian sands*

#### Typical profile

*H1 - 0 to 9 inches: loamy fine sand*  
*H2 - 9 to 72 inches: fine sandy loam*

#### Properties and qualities

*Slope: 0 to 3 percent*  
*Depth to restrictive feature: More than 80 inches*  
*Drainage class: Well drained*  
*Runoff class: Very low*  
*Capacity of the most limiting layer to transmit water (Ksat): High*  
*(2.00 to 6.00 in/hr)*  
*Depth to water table: More than 80 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Calcium carbonate, maximum content: 40 percent*  
*Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)*  
*Sodium adsorption ratio, maximum: 1.0*  
*Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)*

#### Interpretive groups

*Land capability classification (irrigated): 2e*  
*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: A*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

### Minor Components

#### Pajarito

*Percent of map unit: 4 percent*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

#### Wink

*Percent of map unit: 4 percent*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

#### Cacique

*Percent of map unit: 4 percent*

Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

---

*Ecological site:* R070BD004NM - Sandy  
*Hydric soil rating:* No

**Kermit**

*Percent of map unit:* 3 percent  
*Ecological site:* R070BD005NM - Deep Sand  
*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Eddy Area, New Mexico  
Survey Area Data: Version 20, Sep 3, 2024

## Ecological site R070BD003NM

### Loamy Sand

Accessed: 06/21/2025

#### General information

**Provisional.** A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

**Figure 1. Mapped extent**

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

#### Associated sites

R070BD004NM	<b>Sandy</b> Sandy
R070BD005NM	<b>Deep Sand</b> Deep Sand

**Table 1. Dominant plant species**

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

#### Physiographic features

This site is on uplands, plains, dunes, fan piedmonts and in inter dunal areas. The parent material consists of mixed alluvium and or eolian sands derived from sedimentary rock. Slope range on this site range from 0 to 9 percent with the average of 5 percent.

Low stabilized dunes may occur occasionally on this site. Elevations range from 2,800 to 5,000 feet.

**Table 2. Representative physiographic features**

Landforms	(1) Fan piedmont (2) Alluvial fan (3) Dune
Elevation	2,800–5,000 ft
Slope	9%
Aspect	Aspect is not a significant factor

#### Soil features

Soils are moderately deep or very deep. Surface textures are loamy fine sand, fine sandy loam, loamy very fine sand or gravelly sandy loam.

Subsurface is a loamy fine sand, coarse sandy loam, fine sandy loam or loam that averages less than 18 percent clay and less than 15 percent carbonates.

Substratum is a fine sandy loam or gravelly fine sandy loam with less than 15 percent gravel and with less than 40 percent calcium carbonate. Some layers high in lime or with caliche fragments may occur at depths of 20 to 30 inches.

These soils, if unprotected by plant cover and organic residue, become wind blown and low hummocks are formed.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic soils are:

Maljamar  
Berino  
Parjarito  
Palomas  
Wink  
Pyote

**Table 4. Representative soil features**

Surface texture	(1) Fine sand (2) Fine sandy loam (3) Loamy fine sand
Family particle size	(1) Sandy
Drainage class	Well drained to somewhat excessively drained
Permeability class	Moderate to moderately rapid
Soil depth	40–72 in
Surface fragment cover <=3"	10%
Surface fragment cover >3"	Not specified
Available water capacity (0–40in)	5–7 in
Calcium carbonate equivalent (0–40in)	3–40%

Electrical conductivity (0-40in)	2-4 mmhos/cm
Sodium adsorption ratio (0-40in)	2
Soil reaction (1:1 water) (0-40in)	6.6-8.4

Subsurface fragment volume <=3" (Depth not specified)	4-12%
Subsurface fragment volume >3" (Depth not specified)	Not specified

### Ecological dynamics

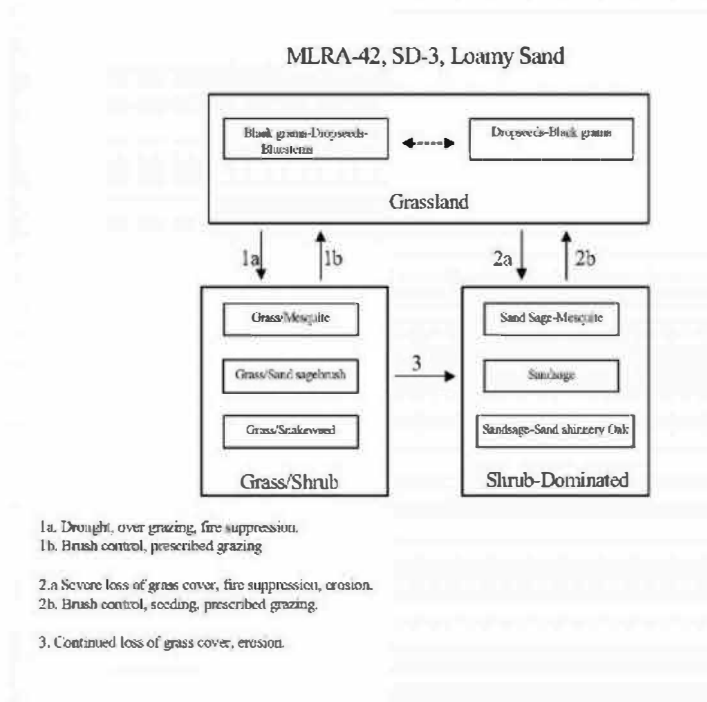
#### Overview

The Loamy Sand site intergrades with the Deep Sand and Sandy sites (SD-3). These sites can be differentiated by surface soil texture and depth to a textural change. Loamy Sand and Deep Sand sites have coarse textured (sands and loamy sand) surface soils while Sandy sites have moderately coarse textured (sandy loam and fine sandy loam) surfaces. Although Loamy Sand and Deep Sand sites have similar surface textures, the depth to a textural change is different—Loamy Sand sub-surface textures typically increase in clay at approximately 20 to 30 inches, and Deep Sand sites not until around 40 inches.

The historic plant community of Loamy Sand sites is dominated by black grama (*Bouteloua eriopoda*), dropseeds (*Sporobolus flexuosus*, *S. contractus*, *S. cryptandrus*), and bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), with scattered shinnery oak (*Quercus havardii*) and sand sage (*Artemisia filifolia*). Perennial and annual forb abundance and distribution are dependent on precipitation. Litter and to a lesser extent, bare ground, are a significant proportion of ground cover while grasses compose the remainder. Decreases in black grama indicate a transition to either a grass/shrub or shrub-dominated state. The grass/shrub state is composed of grasses/honey mesquite (*Prosopis glandulosa*), grasses/broom snakeweed (*Gutierrezia sarothrae*), or grasses/sand sage. The shrub-dominated state occurs after a severe loss of grass cover and a prevalence of sand sage with secondary shinnery oak and mesquite. Heavy grazing intensity and/or drought are influential drivers in decreasing black grama and bluestems and subsequently increasing shrub cover, erosion, and bare patches. Historical fire suppression also encourages shrub pervasiveness and a competitive advantage over grass species (McPherson 1995). Brush and grazing management, however, may reverse grass/shrub and shrub-dominated states toward the grassland-dominated historic plant community.

### State and transition model

#### Plant Communities and Transitional Pathways (diagram):



### State 1 Historic Climax Plant Community

#### Community 1.1 Historic Climax Plant Community

Grassland: The historic plant community is a uniformly distributed grassland dominated by black grama, dropseeds, and bluestems. Sand sage and shinnery oak are evenly dispersed throughout the grassland due to the coarse soil surface texture. Perennial and annual forbs are common but their abundance and distribution are reflective of precipitation. Bluestems initially, followed by black grama, decrease with drought and heavy grazing intensity. Historical fire frequency is unknown but likely occurred enough to remove small shrubs to the competitive advantage of grass species. Fire suppression, drought conditions, and excessive grazing drive most grass species out of competition with shrub species. Diagnosis: Grassland dominated by black grama, dropseeds, and bluestems. Shrubs, such as sand sage, shinnery oak, and mesquite are dispersed throughout the grassland. Forbs are present and populations fluctuate with precipitation variability.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	442	833	1224
Forb	110	208	306
Shrub/Vine	98	184	270
<b>Total</b>	<b>650</b>	<b>1225</b>	<b>1800</b>

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	28%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	50%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	22%

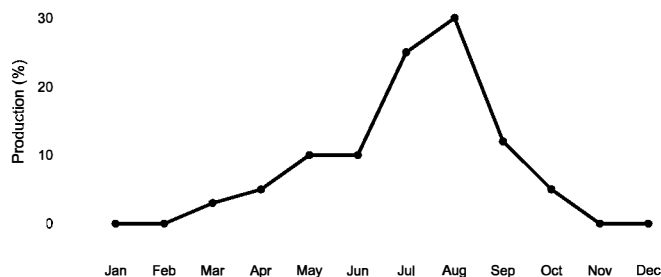


Figure 5. Plant community growth curve (percent production by month). NM2803, R042XC003NM-Loamy Sand-HCPC. SD-3 Loamy Sand - Warm season plant community .

**State 2  
Grass/Shrub**

**Community 2.1  
Grass/Shrub**

Grass/Shrub State: The grass/shrub state is dominated by communities of grasses/mesquite, grasses/snakeweed, or grasses/sand sage. Decreases in black grama and bluestem species lead to an increase in bare patches and mesquite which further competes with grass species. An increase of dropseeds and threeawns occurs. Grass distribution becomes more patchy with an absence or severe decrease in black grama and bluestems. Mesquite provides nitrogen and soil organic matter to co-dominant grasses (Ansley and Jacoby 1998, Ansley et al. 1998). Mesquite mortality when exposed to fire is low due to aggressive resprouting abilities. Herbicide application combined with subsequent prescribed fire may be more effective in mesquite reduction (Britton

and Wright 1971). Diagnosis: This state is dominated by an increased abundance of communities including grass/mesquite, grass/snakeweed, or grass/sand sage. Dropseeds and threeawns have a patchy distribution. Transition to Grass/Shrub State (1a): The historic plant community begins to shift toward the grass/shrub state as drivers such as drought, fire suppression, interspecific competition, and excessive grazing contribute to alterations in soil properties and herbaceous cover. Cover loss and surface soil erosion are initial indicators of transition followed by a decrease in black grama with a subsequent increase of dropseeds, threeawns, mesquite, and snakeweed. Snakeweed has been documented to outcompete black grama especially under conditions of fire suppression and drought (McDaniel et al. 1984). Key indicators of approach to transition: • Loss of black grama cover • Surface soil erosion • Bare patch expansion • Increased dropseed/threawn and mesquite, snakeweed, or sand sage abundances Transition to Historic Plant Community (1b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community.

**State 3  
Shrub Dominated**

**Community 3.1  
Shrub Dominated**

Shrub-Dominated State: The shrub-dominated state results from a severe loss of grass cover. This state's primary species is sand sage. Shinnery oak and mesquite also occur; however, grass cover is limited to intershrub distribution. Sand sage stabilizes light sandy soils from wind erosion, which enhances protected grass/forb cover (Davis and Bonham 1979). However, shinnery oak also responds to the sandy soils with dense stands due to an aggressive rhizome system. Shinnery oak's extensive root system promotes competitive exclusion of grasses and forbs. Sand sage, shinnery oak, and mesquite can be controlled with herbicide (Herbel et al. 1979, Pettit 1986). Transition to Shrub-Dominated (2a): Severe loss of grass species with increased erosion and fire suppression will result in a transition to a shrub-dominated state with sand sage, Shin oak, and honey mesquite directly from the grassland-dominated state. Key indicators of approach to transition: • Severe loss of grass species cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite abundance Transition to Historic Plant Community (2b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community. In addition, seeding with native grass species will augment the transition to a grassland-dominated state. Transition to Shrub-Dominated (3): If the grass/shrub site continues to lose grass cover with soil erosion, the site will transition to a shrub-dominated state with sand sage, shinnery oak, and honey mesquite. Key indicators of approach to transition: • Continual loss of dropseeds/threawns cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite/dropseed/threawn and mesquite/snakeweed abundance

## Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
<b>Grass/Grasslike</b>					
1	<b>Warm Season</b>			61–123	
	little bluestem	SCSC	<i>Schizachyrium scoparium</i>	61–123	–
2	<b>Warm Season</b>			37–61	
	sand bluestem	ANHA	<i>Andropogon hallii</i>	37–61	–
3	<b>Warm Season</b>			37–61	
	cane bluestem	BOBA3	<i>Bothriochloa barbinodis</i>	37–61	–
	silver bluestem	BOSA	<i>Bothriochloa saccharoides</i>	37–61	–
4	<b>Warm Season</b>			123–184	
	black grama	BOER4	<i>Bouteloua eriopoda</i>	123–184	–
	bush muhly	MUPO2	<i>Muhlenbergia porteri</i>	123–184	–
5	<b>Warm Season</b>			123–184	
	thin paspalum	PASE5	<i>Paspalum setaceum</i>	123–184	–
	plains bristlegrass	SEVU2	<i>Setaria vulpiseta</i>	123–184	–
	fringed signalgrass	URCI	<i>Urochloa ciliatissima</i>	123–184	–
6	<b>Warm Season</b>			123–184	
	spike dropseed	SPCO4	<i>Sporobolus contractus</i>	123–184	–
	sand dropseed	SPCR	<i>Sporobolus cryptandrus</i>	123–184	–
	mesa dropseed	SPFL2	<i>Sporobolus flexuosus</i>	123–184	–
7	<b>Warm Season</b>			61–123	
	hooded windmill grass	CHCU2	<i>Chloris cucullata</i>	61–123	–
	Arizona cottontop	DICA8	<i>Digitaria californica</i>	61–123	–
9	<b>Other Perennial Grasses</b>			37–61	
	Grass, perennial	2GP	<i>Grass, perennial</i>	37–61	–
<b>Shrub/Vine</b>					
8	<b>Warm Season</b>			37–61	
	New Mexico feathergrass	HENE5	<i>Hesperostipa neomexicana</i>	37–61	–
	giant dropseed	SPGI	<i>Sporobolus giganteus</i>	37–61	–
10	<b>Shrub</b>			61–123	
	sand sagebrush	ARFI2	<i>Artemisia filifolia</i>	61–123	–
	Havard oak	QUHA3	<i>Quercus havardii</i>	61–123	–
11	<b>Shrub</b>			34–61	
	fourwing saltbush	ATCA2	<i>Atriplex canescens</i>	37–61	–
	featherplume	DAFO	<i>Dalea formosa</i>	37–61	–
12	<b>Shrub</b>			37–61	
	jointfir	EPHED	<i>Ephedra</i>	37–61	–
	littleleaf ratany	KRER	<i>Krameria erecta</i>	37–61	–
13	<b>Other Shrubs</b>			37–61	
	Shrub (>.5m)	2SHRUB	<i>Shrub (&gt;.5m)</i>	37–61	–
<b>Forb</b>					
14	<b>Forb</b>			61–123	
	leatherweed	CRPOP	<i>Croton pottsii</i> var. <i>pottsii</i>	61–123	–
	Indian blanket	GAPU	<i>Gaillardia pulchella</i>	61–123	–

	globemallow	SPHAE	<i>Sphaeralcea</i>	61-123	-
15	<b>Forb</b>			12-37	
	woolly groundsel	PACA15	<i>Packera cana</i>	12-37	-
16	<b>Forb</b>			61-123	
	touristplant	DIWI2	<i>Dimorphocarpa wislizeni</i>	61-123	-
	woolly plantain	PLPA2	<i>Plantago patagonica</i>	61-123	-
17	<b>Other Forbs</b>			37-61	
	Forb (herbaceous, not grass nor grass-like)	2FORB	<i>Forb (herbaceous, not grass nor grass-like)</i>	37-61	-

## Animal community

This Ecological Site provides habitat which supports a resident animal community that is characterized by pronghorn antelope, desert cottontail, spotted ground squirrel, black-tailed prairie dog, yellow faced pocket gopher, Ord's kangaroo rat, northern grasshopper mouse, southern plains woodrat, badger, roadrunner, meadowlark, burrowing owl, white necked raven, lesser prairie chicken, morning dove, scaled quail, Harris hawk, side blotched lizard, marbled whiptail, Texas horned lizard, western diamondback rattlesnake, dusty hognose snake and ornate box turtle. Where mesquite has invaded, most resident birds and scissor-tailed flycatcher, morning dove and Swainson's hawk, nest. Vesper and grasshopper sparrows utilize the site during migration.

## Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.

Hydrologic Interpretations

Soil Series Hydrologic Group

Berino B

Kinco A

Maljamar B

Pajarito B

Palomas B

Wink B

Pyote A

## Recreational uses

This site offers recreation potential for hiking, horseback riding, nature observation, photography and hunting. During years of abundant spring moisture, this site displays a colorful array of wildflowers during May and June.

## Wood products

This site has no potential for wood products.

## Other products

This site is suitable for grazing by all kinds and classes of livestock at any time of year. In cases where this site has been invaded by brush species it is especially suited for goats. Mismanagement of this site will cause a decrease in species such as the bluestems, black grama, bush muhly, plains bristleglass, New Mexico feathergrass, Arizona cottontop and fourwing saltbush. A corresponding increase in the dropseeds, windmill grass, fall

witchgrass, silver bluestem, sand sagebrush, shinary oak and ephedra will occur. This will also cause an increase in bare ground which will increase soil erodibility. This site will respond well to a system of management that rotates the season of use.

## Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month

Similarity Index Ac/AUM

100 - 76 2.3 - 3.5

75 - 51 3.0 - 4.5

50 - 26 4.6 - 9.0

25 - 0 9.1 +

## Inventory data references

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico. This site has been mapped and correlated with soils in the following soil surveys. Eddy County, Lea County, and Chaves County.

## Other references

Literature Cited:

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Pettit, Russell D. 1986. Sand shinnery oak: control and management. Management Note 8. Lubbock, TX: Texas Tech University, College of Agricultural Sciences, Department of Range and Wildlife Management. 5 p.

### **Contributors**

Don Sylvester  
Quinn Hodgson

# Aleutian 10 CTB 3 Geological Unit Map

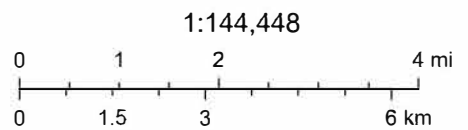


6/17/2025, 2:36:24 PM

### Lithologic Units

- Playa—Alluvium and evaporite deposits (Holocene)
- Water—Perennial standing water
- Qa—Alluvium (Holocene to upper Pleistocene)

**Geological Unit**  
Qep



Earthstar Geographics, NMBGMR

## APPENDIX C

## CORRESPONDENCE



**RE: [EXTERNAL] nAPP2533527730 Aleutian 10 CTB 3 Liner Inspection Notification**

**From** Raley, Jim <Jim.Raley@dvn.com>  
**Date** Wed 2026-02-11 9:03 AM  
**To** Monica Peppin <Monica.Peppin@kljeng.com>  
**Cc** Will Harmon <will.harmon@kljeng.com>

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**Submitted 2/11**

Jim Raley | Environmental Professional - Permian Basin  
5315 Buena Vista Dr., Carlsbad, NM 88220  
C: (575)689-7597 | [jim.ralej@dvn.com](mailto:jim.ralej@dvn.com)



**From:** Monica Peppin <Monica.Peppin@kljeng.com>  
**Sent:** Wednesday, February 11, 2026 9:00 AM  
**To:** Raley, Jim <Jim.Raley@dvn.com>  
**Cc:** Will Harmon <will.harmon@kljeng.com>  
**Subject:** [EXTERNAL] nAPP2533527730 Aleutian 10 CTB 3 Liner Inspection Notification

Good morning,

I have received confirmation that the liner will be ready for inspection this week. Below is the notification for Friday.

Let me know if you have any questions or need adjustments to the date and time.

**Liner Inspection**

What is the liner inspection surface area in square feet	6,600
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	2/13/2026
Time liner inspection will commence	1100AM
Please provide any information necessary for observers to liner inspection	Monica Peppin 575.909.3418
Please provide any information necessary for navigation to liner inspection site	32.077817, -103.749931

Incident nAPP2533527730

Thank you,  
Monica

Monica Peppin, A.S.  
Environmental Specialist II



575-213-9010 Direct

575-909-3418 Cell

Carlsbad, NM 88220

[kljeng.com](http://kljeng.com)

 [Book time to meet with me](#)

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**Re: [EXTERNAL] nAPP2533527730 Aluetian 10 CTB 3 Extension Request**

---

**From** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Date** Fri 2026-02-27 9:42 AM  
**To** Monica Peppin <Monica.Peppin@kljeng.com>  
**Cc** Will Harmon <will.harmon@kljeng.com>; Raley, Jim <jim.raley@dvn.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

You don't often get email from nelson.velez@emnrd.nm.gov. [Learn why this is important](#)

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Good morning Monica,

Thank you for the request. Your 14-day time extension is approved. Remediation Due date has been updated to March 16, 2026.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence related to remedial activities to be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, request for time extensions, an alternative sampling plan, approved scheduled reporting, and/or variances.

Regards,

**Nelson Velez** • Senior Environmental Scientist  
Environmental Bureau | EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87410  
(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)  
<http://www.emnrd.nm.gov/oecd>



---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Thursday, February 26, 2026 4:03 PM  
**To:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** FW: [EXTERNAL] nAPP2533527730 Aluetian 10 CTB 3 Extension Request

---

**From:** Monica Peppin <Monica.Peppin@kljeng.com>  
**Sent:** Thursday, February 26, 2026 3:58 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Will Harmon <will.harmon@kljeng.com>; Raley, Jim <jim.ralej@dvn.com>  
**Subject:** [EXTERNAL] nAPP2533527730 Aleutian 10 CTB 3 Extension Request

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To whom it may concern,

On behalf of Devon Energy, we respectfully request a fourteen (14)-day extension for submission of the liner inspection documentation associated with spill incident nAPP2533527730 at Aleutian 10 CTB 3. The current due date is February 28, 2026.

The liner inspection has been completed and the liner passed inspection; however, it was conducted concurrently with remediation activities for a separate incident outside of containment. Additional time is requested to allow for preparation and submittal of the associated closure documentation.

We appreciate your consideration of this request.

Thank you,  
Monica

Monica Peppin, A.S.  
Environmental Specialist II



575-213-9010 **Direct**

575-909-3418 **Cell**

Carlsbad, NM 88220

[kljeng.com](http://kljeng.com)



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

QUESTIONS

Action 563515

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 563515
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2533527730
Incident Name	NAPP2533527730 ALEUTIAN 10 CTB 3 @ FAPP2129451356
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2129451356] ALEUTIAN 10 CTB 3

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	ALEUTIAN 10 CTB 3
Date Release Discovered	11/30/2025
Surface Owner	Federal

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water 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

<b>Nature and Volume of Release</b>	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Coupling   Produced Water   Released: 12 BBL   Recovered: 12 BBL   Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Vict clamp failure allowed produced water to lined secondary containment.

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**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 563515

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 563515
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>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.</i>	

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

*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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/17/2026
--	--

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QUESTIONS, Page 3

Action 563515

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 563515
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**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)	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
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (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 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (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	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**

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	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	02/13/2026
On what date will (or did) the final sampling or liner inspection occur	02/13/2026
On what date will (or was) the remediation complete(d)	02/13/2026
What is the estimated surface area (in square feet) that will be remediated	6600
What is the estimated volume (in cubic yards) that will be remediated	0

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. 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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QUESTIONS, Page 4

Action 563515

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 563515
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<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>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
Is (or was) there affected material present needing to be removed	Yes
Is (or was) there a power wash of the lined containment area (to be) performed	Yes
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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: James Raley Title: EHS Professional Email: jim.raley@dvsn.com Date: 03/17/2026
<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>	

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, Page 6

Action 563515

**QUESTIONS (continued)**

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**QUESTIONS**

<b>Liner Inspection Information</b>	
Last liner inspection notification (C-141L) recorded	<b>552710</b>
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	<b>02/13/2026</b>
Was all the impacted materials removed from the liner	<b>Yes</b>
What was the liner inspection surface area in square feet	<b>6600</b>

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	<b>Yes</b>
Have the lateral and vertical extents of contamination been fully delineated	<b>Yes</b>
Was this release entirely contained within a lined containment area	<b>Yes</b>
What was the total surface area (in square feet) remediated	<b>6600</b>
What was the total volume (cubic yards) remediated	<b>0</b>
Summarize any additional remediation activities not included by answers (above)	<b>Remediation Complete</b>

*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 (in .pdf format) 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.*

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.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 03/17/2026
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CONDITIONS

Action 563515

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 563515
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
nvelez	Liner inspection approved, release resolved. Restoration complete.	3/27/2026