

August 11, 2025

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

SUBJECT: Liner Inspection and Closure Report for Big Cat 9 CTB 2 – July 16, 2025 Site Visit

Incident ID: nAPP2514723014

Facility ID (Name): fAPP2329744254 (BIG CAT 9 CTB 2)

Facility Location: Unit B of Section 9, Township 23 South, Range 32 East, New Mexico

Facility GPS Coordinates: 32.323442, -103.677896

Lea County, New Mexico

Introduction

KLJ Engineering (KLJ) has prepared this report on behalf of Devon Energy Production Company, LP (Devon) to detail the recent liner inspection conducted at the Big Cat 9 CTB 2 (Site) on July 16, 2025, following the release of produced water that occurred on May 26, 2025.

Site Information and Background

The Site is located approximately 24.09 miles northeast of Loving, New Mexico, on Bureau of Land Management (BLM) federal property. The Site lies within Unit B, Section 9, Township 23 South, Range 32 East, in Lea 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

On May 26, 2025, a Devon lease operator discovered a water transfer pump sledge leaking inside the secondary containment, resulting in the release of approximately 15 barrels (bbls) of produced water. Initial response actions were conducted by the operator and included source elimination, photographic documentation of the affected area, volume estimation, and an attempt to recover released fluids. Photographic documentation of the secondary containment, liner, tanks, and equipment where the release occurred is included in the Liner Inspection Field Notes & Photolog Report (Appendix A).

On May 27, 2025, Devon Energy submitted the initial Notice of Release (NOR) to the New Mexico Energy, Minerals, and Natural Resources Department – Oil Conservation Division (NMOCD) via the Operator's Electronic Permitting and Payment Portal. A Form C-141 was subsequently submitted to the portal on May 31, 2025, in accordance with the requirements of NMAC 19.15.29.

Site Characterization Summary

The Site lies within Qe/Qp – Holocene to late Pleistocene, with a physiographic setting characteristic of southern High Plains Margin, reflecting alternating episodes of fluvial and aeolian deposition. These unconsolidated deposits include silt, fine sand, clay, and localized gravel accumulations (New Mexico Bureau of Geology and Mineral Resources). Terrain for the Site and immediate surrounding area includes



fan piedmonts, alluvial fans, and dunes at elevations ranging from 2,800 to 5,000 feet above mean sea level (amsl). Parent material consists of mixed alluvium and/or eolian sands derived from sedimentary rock. Soils are characterized as petrocalcic, petrogypsic, or gypsum horizon deep soils, with 8 to 13 inches of average annual precipitation. Soil within the Site tends to be well-drained, with negligible runoff and low water-holding capacity.

The USDA – Web Soil Survey (WSS) identifies the predominant soil type at the Site as the Pyote and Maljamar fine sands that is moderately deep or very deep, with surface textures ranging from 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 lass than 15 percent carbonates. Substratum includes 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.

Vegetation reflects a grassland community, consisting of black grama, dropseeds, and bluestems with scattered broom snakeweed, sand sage, shinnery oak, and mesquite. The vegetation reflects a drought-tolerant, arid-adapted community, with grass cover varying based on grazing intensity and precipitation patterns. The site supports a mix of warm-season perennials adapted to sandy soils and shallow rooting depths, forming a stable plant community under proper grazing management.

No surface water features were identified within 300 feet of the Site. The nearest significant watercourse is 2.8 miles northeast; the closest playa lake is 4.61 miles northwest, and the nearest wetland is 3.68 miles northeast (USFWS NWI, 2025). These distances comply with the requirements of 19.15.29.12(C)(4) NMAC.

Per the New Mexico Office of the State Engineer (NMOSE) Points of Diversion (POD) Map, the nearest POD is C-04703-POD1, located 0.99 miles southwest of the Site. The POD is identified as a temporary borehole used to determine depth to groundwater. The well record indicates that the temporary borehole was drilled to a depth of 55 ft bgs, and no groundwater was encountered. The nearest freshwater well used for stock watering purposes, POD C-02349-POD1, is located 0.97 miles northeast of the Site.

The Site is not located within a designated karst potential zone. The nearest potential karst zone, identified as a medium karst zone, is located 7.65 miles to the west. The Site is in a FEMA flood hazard area identified as FEMA Zone D (undetermined hazard); the nearest identified FEMA flood hazard area, classified as Zone A, is 11 miles to the southwest.

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 information relevant to closure evaluation, as required under 19.15.29.12 NMAC. This includes details such as release source, location, containment status, and site-specific features that may influence closure requirements. While contamination thresholds, sampling depths, and applicable concentration limits are not listed in this table, the information provided supports regulatory assessment of whether the release meets criteria for closure. In accordance with NMAC



19.15.29.11(A)(5)(b), if the release occurred within lined, impermeable secondary containment with no evidence of escape, it may qualify for reduced remediation requirements or a No Further Action (NFA) determination.

Because the Site has no depth to ground water determination wells within a ½ mile radius, it is subject to closure criteria applicable to areas with a DTGW of less than 50 ft bgs.

Table 1: Release Information and Closure Criteria Limits						
	Depth to Ground Water Determination: < 50 feet bgs					
Site Name	Site Name Big Cat 9 CTB 2 Company					
Facility ID/API Number	fAPP2329744254	PLSS	B-09-23S-32E			
Facility ID/API Nulliber	IAPP2329744234	GPS	32.323442, -103.677896			
Lease ID	NMNM126065	Land Status	Federal			
Incident ID	nAPP2514723014	Date Of Release	5/26/2025			
Source of Release	Swedge failed on WTP inside	Volume	15 bbls/15 bbls pw			
Source of Release	containment Released/Recovered					
Specific Features	No DTGW wells within ½ mile radius, no Karst Potential, no surface water within					
Specific Features proximity, and FEMA Zone D						

Liner Inspection Activities

KLJ Environmental Specialists conducted a site visit on July 16, 2025, to perform a liner inspection. During the visit, KLJ personnel completed a visual inspection of the secondary containment to verify liner integrity. The liner was observed to be intact, with no visible signs of compromise. The inspection included assessments for perforations, rips, tears, or signs of weathering that could impact containment integrity. No issues were noted that would warrant repair or replacement. Photographic documentation is provided in the Liner Inspection Field Notes & Photolog Report (**Appendix A**).

Prior to the inspection, notification was provided to Devon via email on June 23, 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). On June 26, 2025, a follow-up notification was submitted indicating that the inspection could not be completed. The scheduled inspection was canceled due to inclement weather, which resulted in standing water within the containment area, making inspection conditions unsuitable.

Notification of the cancellation was submitted to the New Mexico Oil Conservation Division (NMOCD) via email on June 26, 2025, and a copy is included in **Appendix C**.

A second official notification was submitted to the portal on July 14, 2025, for the successful inspection conducted on July 16, 2025. A copy of this notification is also provided 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 nAPP2514723014.



Based on the site assessment and activities conducted, Devon respectfully requests closure of incident nAPP2514723014 with a No Further Action (NFA) determination.

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 InspectionField Notes & Photolog Report



Site & Incident Information

Client:	Devon Energy	Date:	7.16.	2025
Site:	Big Cat 9 CTB 2	Arrival Time:	10:30	0 AM
Incident ID:	nAPP2514723014		HINGS OF SHIP	
Client Contact:	Jim Raley	Jal, NM, United States Brick Plant Rd, Buck Creek Area, Jal, NM 88252, United States Lat 32,332599, Long -103,677753		Photo of Lease Sign
Land Status:	BLM			
County:	Lea			
Lease ID:	NMNM126065			
Facility ID:	fAPP2329744254			
32.323442, -103.677896		07/16/2025 Site: 8ig Cat 9 CTB 2 Person Name : Monica Peppin ■ 5759093418 7.61 mph ■ 3674,84 ft ⑥ 2.28 m		

Observations and Field Notes

- 10:12 AM Arrive on site, observe area conditions for potential hazards, and fill out safety paperwork.
- 10:18 AM Review correspondence emails from contractor and client, verify containment to inspect, liner has been pressure washed and ready for inspection.
- 10:20 AM Start inspection of liner from outside of containment and complete 360 walk around.
- 10:23 AM Inspect liner walls and base for any signs of abrasions or obvious wear.
- 10:28 AM Liner surface appears structurally sound no visible perforations, tears, or areas of concern.
- 10:40 AM Seams are intact and no visual signs of stress.
- 10:45 AM Complete inspection, photos taken from all cardinal directions, in between tanks, and different angles of equipment.

KLI Engineering I www.kljeng.com | Environmental Compliance Services

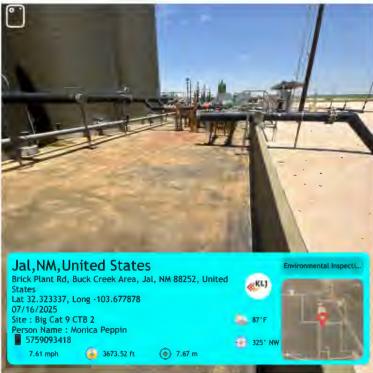
K^PLJ⁶



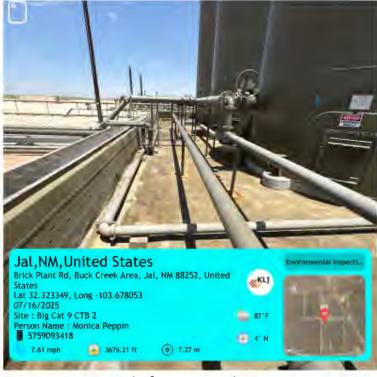
Liner between tanks facing north from south side.



Liner on south side facing east from southwest corner.

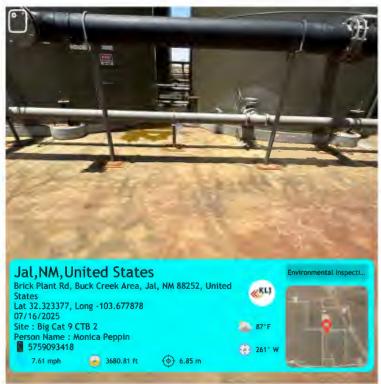


Facing northwest viewing liner near transfer pumps and tanks.

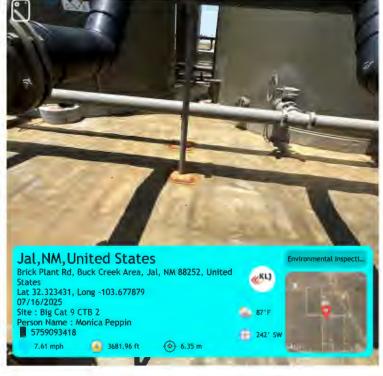


Facing north from southwest corner viewing west side.

K^PLJ⁶



View of liner from southwest corner facing east.



Liner between tanks on south end facing east.



Liner between tanks on northern end facing west.



Liner between tanks facing west from east side.

K^PLJ⁶



Facing east between tanks of liner under transfer pumps.



Liner between tanks from west side facing east.

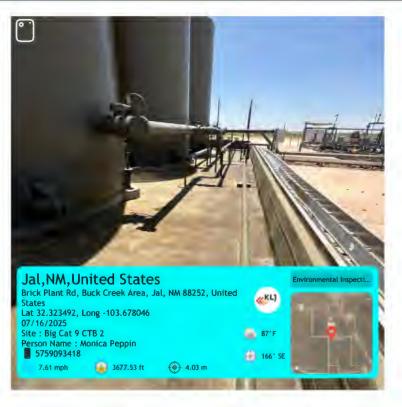


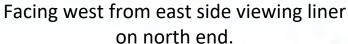
Viewing liner of northeast corner from near tanks.

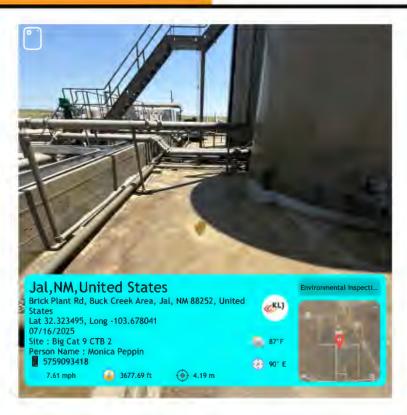


Liner view under transfer pumps facing south from northeast corner.

K^{Pag 10} of 16







North view from west side facing east.



Facing south from north end of containment between tanks.



Additional Notes & Recommendations

- Visual observation supported with photo documentation.
- No issues identified; liner integrity confirmed and meets closure criteria.
- Upload documents and complete liner inspection closure report.
- Submit report for approval to applicable regulatory agencies.

Acknowledgement & Signature

Technician: Monica Peppin

Signature:

July 16, 2025 Date:

Departure

3:16 PM Time:

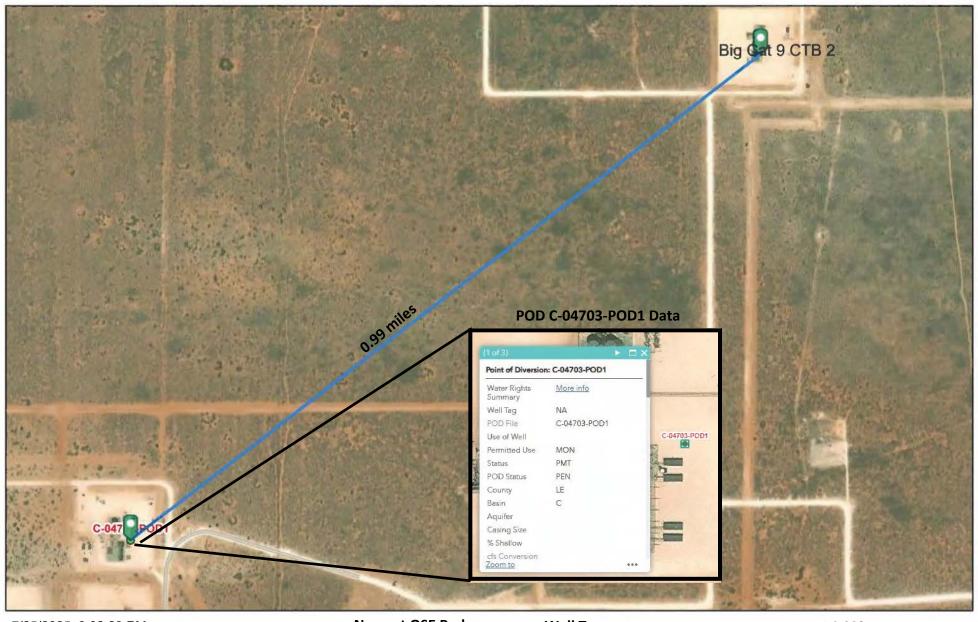


APPENDIX B

CLOSURE CRITERIA RESEARCH



Big Cat 9 CTB 2 - Nearest DTGW OSE Pod Map



7/25/2025, 3:38:29 PM

Pending

Override 1

OSE District Boundary

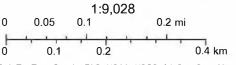
C Basin Fill

 ${\sf GIS\ WATERS\ PODs\ NM\ Simplified\ Geology}$

Nearest OSE Pod C-04703-POD1

Distance 0.99 miles

Well Type
Temporary Borehole
Well Depth
55 ft bgs



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

File No. C-04703 POD

NEW MEXICO OFFICE OF THE STATE ENGINEER



WR-07 APPLICATION FOR PERMIT TO DRILL A WELL WITH NO WATER RIGHT



(check applicable box):

Purpose:	 Pollution Control And/Or Recovery 	☐ Ground Source Heat Pump
Exploratory Well (Pump test)	Construction Site/Put Works Dewatering	olic Other(Describe): Groundwater Determina
Monitoring Well	☐ Mine Dewatering	
A separate permit will be required	to apply water to beneficial u	se regardless if use is consumptive or nonconsumptive.
Temporary Request - Request	ed Start Date: 12/27/2022	Requested End Date: 01/20/2023
Plugging Plan of Operations Subm	nitted? 🗌 Yes 🔳 No	
. APPLICANT(S)		
Name:		Name:
Name:	у	Name:
Name: Devon Energy Production Compan	y check here if Agent	Name: Contact or Agent: check here if Agent
Name: Devon Energy Production Compan Contact or Agent:		
Name: Devon Energy Production Compan Contact or Agent: Dale Woodall Mailing Address:		
Name: Devon Energy Production Compan Contact or Agent: Dale Woodall Mailing Address: 333 W Sheridan Ave		Contact or Agent: check here if Agent
Name: Devon Energy Production Compan Contact or Agent: Dale Woodall Mailing Address: 333 W Sheridan Ave City:		Contact or Agent: check here if Agent
Name: Devon Energy Production Compan Contact or Agent: Dale Woodall Mailing Address: 333 W Sheridan Ave City: Oklahoma City	check here if Agent	Contact or Agent: check here if Agent Mailing Address: City:
Name: Devon Energy Production Compan Contact or Agent: Dale Woodall Mailing Address: 333 W Sheridan Ave City: Oklahoma City		Contact or Agent: check here if Agent Mailing Address:
Name: Devon Energy Production Compan Contact or Agent: Dale Woodall Mailing Address: 333 W Sheridan Ave City: Oklahoma City State.	check here if Agent Zip Code:	Contact or Agent: check here if Agent Mailing Address: City:
Name: Devon Energy Production Compan Contact or Agent: Dale Woodall Mailing Address: 333 W Shendan Ave City: Dklahoma City State. DK Phone: (405) 552-4660	check here if Agent ☐ Zip Code: 73102	Contact or Agent: check here if Agent Mailing Address: City: State: Zip Code:
Name: Devon Energy Production Compan Contact or Agent: Dale Woodall Mailing Address: 333 W Sheridan Ave City: Oklahoma City State. DK	check here if Agent ☐ Zip Code: 73102	Contact or Agent: check here if Agent Mailing Address: City: State: Zip Code: Phone

OSE DII DEC 14 2022 PM2:03

FOR USE INTERNAL USE	Application for Femal, Forth FVR	(-07, Rev TITITIO
File No.: C. 04703	Tm. No.: 741900	Receipt No.: 7.45304
Trans Description (optional):		
Sub-Basin: COB	PCW/LOG Du	ue Date: 2/3/24
		Dago 1 of 2

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

(Lat/Long - WGS84).			state Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude a PLSS location in addition to above.
□ NM State Plane (NAD83) □ NM West Zone □ NM East Zone □ NM Central Zone		TM (NAD83) (Mete]Zone 12N]Zone 13N	ers) Lat/Long (WGS84) (to the nearest 1/10 th of second)
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-04703 PODI	-103.6912877	32.314716	SE 1/4, SE 1/4, SECTION 8, T23S, R32E
NOTE: If more well location Additional well descriptions Other description relating well STRAY CAT 8 5 FED COM #2	s are attached:	Yes No	n WR-08 (Attachment 1 – POD Descriptions) If yes, how many
Well is on land owned by: BLI	И		
Well Information: NOTE: If r	nore than one (1) we	Il needs to be des	cribed, provide attachment. Attached? Yes No
Approximate depth of well (fe	et): 55		Outside diameter of well casing (inches): 2
Driller Name: Vision Resource	es, Jason Maley	1	Oriller License Number: 1833
3. ADDITIONAL STATEMENTS	OR EXPLANATION	s	
placed to a depth of the boring well will be gauged for the pres	and secured at the su ence of water. If water and Type I/II Neat Cem	irface. The tempora r is encountered at tent less than 6.0 g	r ground surface (ft bgs). Temporary PVC well material will be any well will be in place for a minimum of 72 hours at which time the any point during the boring installation, the soil boring will be allons of water per 94 lb sack. If no water is encountered, the the upper 10 ft. bgs.
			DSE DIT DEC 14 2022 PM2:03

FOR OSE INTERNAL USE

File No.:

Trn No.: 741900

Application for Permit, Form WR-07

Page 3 of 3

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:

Exploratory:	Pollution Control and/or Recovery:	Construction	Mine De-Watering:
☐ Include a	☐ Include a plan for pollution	De-Watering:	nclude a plan for pollution
description of	control/recovery, that includes the	☐ Include a description of the	control/recovery, that includes the following:
any proposed	following:	proposed dewatering	A description of the need for mine
pump test, if	A description of the need for the	operation.	
		1	dewatering.
applicable.	pollution control or recovery operation.	☐ The estimated duration of	☐ The estimated maximum period of time
	☐ The estimated maximum period of	the operation,	for completion of the operation.
	time for completion of the operation.	☐ The maximum amount of	The source(s) of the water to be diverted.
	☐ The annual diversion amount.	water to be diverted,	☐The geohydrologic characteristics of the
	☐ The annual consumptive use	A description of the need	aquifer(s).
	amount.	for the dewatering operation,	☐The maximum amount of water to be
	☐ The maximum amount of water to be	and.	diverted per annum.
	diverted and injected for the duration of	☐ A description of how the	The maximum amount of water to be
	the operation.	diverted water will be disposed	diverted for the duration of the operation.
	I '	•	
	☐ The method and place of discharge.	of.	☐The quality of the water.
Monitoring:	☐ The method of measurement of	Ground Source Heat Pump:	☐The method of measurement of water
☐ Include the	water produced and discharged.	☐ Include a description of the	diverted.
reason for the	☐ The source of water to be injected.	geothermal heat exchange	☐The recharge of water to the aquifer.
monitoring	☐ The method of measurement of	project.	☐Description of the estimated area of
well, and,	water injected.	☐ The number of boreholes	hydrologic effect of the project.
☐ The	☐ The characteristics of the aquifer.	for the completed project and	The method and place of discharge.
_	☐ The method of determining the		An estimation of the effects on surface
duration		required depths.	
of the planned	resulting annual consumptive use of	☐ The time frame for	water rights and underground water rights
monitoring.	water and depletion from any related	constructing the geothermal	from the mine dewatering project.
	stream system.	heat exchange project, and,	☐A description of the methods employed to
	Proof of any permit required from the	☐ The duration of the project.	estimate effects on surface water rights and
	New Mexico Environment Department.	☐ Preliminary surveys, design	underground water rights.
	☐ An access agreement if the	data, and additional	☐Information on existing wells, rivers,
	applicant is not the owner of the land on	information shall be included to	springs, and wetlands within the area of
	which the pollution plume control or	provide all essential facts	hydrologic effect.
	recovery well is to be located.		nyarologic ellect.
	recovery well is to be located.	relating to the request.	
I, We (name of a		rint Name(s) (my, our) knowledge and belief.	
	y our our		
Applicant Signal	ture	Applicant Signature	
			OSE OT DEC 14 2022 PM2:03
	ACTION	OF THE STATE ENGINEER	
		This application is:	
	Danaravad	· · ·	☐ denied
	∠ approved		
	ot exercised to the detriment of any others trimental to the public welfare and further s		ontrary to the conservation of water in New fapproval.
	and -	1	
Witness my han	d and seal this day of 	ebruary 20 23.	for the State Engineer, THE STATE
		Ø	
M:V	e A. Hamman, P.E.	, State Engineer	
1-411-	CA Homman, Tie.	, State Engineer	
	1.0		
By:	Kraph_	Kech.	~ 2000 /4/
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Signature		Print	14.01
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Title: Wate	K.Parell er Resource Manager	Ţ	N. Academier P. C.
Print	3		
			Application for Dormit Form MD 07
	FOR O	SE INTERNAL USE	Application for Permit, Form WR-07 Trn No.: 741900

NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL

- Construction of a water well by anyone without a valid New Mexico 17-16 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.
- Depth of the well shall not exceed the thickness of the Ogallala 17-1B formation.
- No water shall be appropriated and beneficially used under this 17-4 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.

File Number: C 04703 Trn Desc: C 04703 POD1 Trn Number: 741900

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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 04703 POD1 File Number: C 04703
Trn Number: 741900

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NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion C 04703 POD1 must be completed and the Well Log filed on or before 02/03/2024.

IT IS THE PERMITTEE'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: 12/14/2022 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 03 day of Feb A.D., 2023

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

By: KASHYAP PAREKH

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 Trn Desc:
 C 04703 POD1
 File Number:
 C 04703

 Trn Number:
 741900

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United States Department of the Interior

BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 F. Greene St

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

In Reply Refer To: 3162.4 (NM-080) NMNM-98826

January 26, 2023

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

Re: Stray Cat 8 5 Fed Com 214H

Section 8, T23S-R32E

30-025-44601

Lea County, New Mexico

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 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: 741900 File Nbr: C 04703

Feb. 03, 2023

DALE WOODALL
DEVON ENERGY PRODUCTION CO.
333 W SHERIDAN AVE
OKLAHOMA CITY, OK 73102

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.

Sincerely,

Rodolfo Chavez (575)622-6521

Enclosure

explore



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/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, 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.

Name of well	owner: Devon E	nergy Resources			C-4703-P
Mailing addr	ess: 64888 Seven	Rivers HWY		County: ED	DY
City: Artesia			State:	NM	Zip code: 88210
Phone number:	405-318-4697		E-mail:	Dale.Woodall@DVN.com	
	RILLER INFORM				
Well Driller co	ntracted to provide	plugging services:			
New Mexico V	Vell Driller Licenso	No.: 1833		Expiration Date:	10/07/2023
) Reaso	on(s) for plugging v		deg	min.	sec, NAD 83
No wa	ater found		7.5		
what	hydrogeologic par	ameters were mon	itored. If the wel		on VII of this form to detai ontaminated or poor quality or to plugging.
				ater? <u>NO</u> If yo	es, provide additional detail
includ		lts and/or laboratory			
5) Static	water level:r	o waterfeet belo	ow land surface / fe	et above land surface (ci	rcle one)
		55 fact			m Jan 25 2023 w2:17

WD-08 Well Plugging Plan Version: March 07, 2022 Page 1 of 5

7)	Inside diameter of innermost casing: 2inches.
8)	Casing material: PVC
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): 50-55 Feet
10)	What annular interval surrounding the artesian easing of this well is cement-grouted? None
11)	Was the well built with surface easing?ff yes, is the annulus surrounding the surface easing grouted or
	otherwise scaled? If yes, please describe:
12)	Has all pumping equipment and associated piping been removed from the well? Yes If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.
V. DES	SCRIPTION OF PLANNED WELL PLUGGING: form must be completed for each method.
diagram	this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a fremie pipe, a detailed of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such visical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan.
Also, if th	tis planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.
I)	Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology
	proposed for the well:
	Temporary PVC casing will be removed and approximately 4.7 Cubic feet bentonite chips will be placed in well.
2)	Will well head be cut-off below land surface after plugging? no well head will be installed.
VI, PL	UGGING AND SEALING MATERIALS:
	te plugging of a well that taps poor quality water may require the use of a specialty cement or specialty scalant. Attach a copy of the batch mix recipt cement company and/or product description for specialty cement mixes or any scalant that deviates from the list of OSE approved scalants.
1)	For plugging intervals that employ cement grout, complete and attach Table A.
2)	For plugging intervals that will employ approved non-cement based scalant(s), complete and attach Table B.
3)	Theoretical volume of grout required to plug the well to land surface:
4)	Type of Cement proposed:
5)	Proposed cement grout mix:gallons of water per 94 pound sack of Portland cement.
6)	Will the grout be:batch-mixed and delivered to the site mixed on site mixed on site

WD-08 Well Plugging Plan Version March 07, 2022 Page 2 of 5

7)	Grout additives requested, and perc	ent by dry weight relati	ive to cement:	
8)	Additional notes and calculations:			
УП	ADDITIONAL INFORMATION: 1	ist additional informati	on below, or on separate sheet(s):	
			· · · · · · · · · · · · · · · · · · ·	
vm	. SIGNATURE:			
, , , , , , , , , , , , , , , , , , ,		courthat I ha	ve carefully read the foregoing W	all Blugging Plan of
т. <u>——</u> Орега	ations and any attachments, which are a			
Engin	neer pertaining to the plugging of wells	and will comply with t	hem, and that each and all of the	
Plugg	ging Plan of Operations and attachment	s are true to the best of	my knowledge and helief.	
		Dale Woodall	Digitally signed by Date Woodall Date 2023 01 23 13 49 10 -07'00'	
		Sim	nature of Applicant	Date
		Sign	аште от тррисан	Date
<u>IX. A</u>	ACTION OF THE STATE ENGINE	ER:		
This V	Well Plugging Plan of Operations is:			
	Approved subject to the a	ittached conditions.	ached letter. \mathbb{C}^{1} \mathbb{C}^{1} .	the report of
	Not approved for the reas	_		
	Witness my hand and official scal t	his 31 27 ds	yor January	2023
	writiess my hand and official scart	1115 <u> </u>	, or 5 (20 s s <u>exo g</u>	
		M·L A I	1 0 =	
	WE STATE	ILKE H. F	Janman P. E New)	dexico State Engineer
			Parell	
19	YALLED IEI	By:	JULIAN DO DO DO DO	
[₹		KAS	SHYAP PARE	
12			W.R.M. I	Version: March 07, 2022
- 1	VA 800 007/5		The state of the s	Page 3 of 5

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

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			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)			
Bottom of proposed interval of grout placement (ft bgl)			
Theoretical volume of grout required per interval (gallons)			
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement			
Mixed on-site or batch- mixed and delivered?			
Grout additive 1 requested			
Additive 1 percent by dry weight relative to cement			
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement			CSE DTI JAN 25 2023 •MZ*1(

WD-08 Well Plugging Plan Version: March 07, 2022 Page 4 of 5

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

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of scalant placement (ft bgl)	55 feet		Zero feet below grade.
Bottom of proposed sealant of grout placement (ft bgl)			
Theoretical volume of sealant required per interval (gallons)			
Proposed abandonment sealant (manufacturer and trade name)			

COE ON JAN 25/2023 PK2:10



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 a well, listed below, to be plugged. Vision Resources (David Maley) (WD-1833) will perform the plugging.

Permittee: Devon Energy Resources NMOSE Permit Number: C-4703

NMOSE File	Casing diameter (inches)	Well depth (fect bgl)	Approximate static water level (feet bgl)	Latitude	Longitude
C-4703	2.0	55.0	Dry	32.3147°	103.69128°

Specific Plugging Conditions of Approval for Well located in Lea County.

- 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. Theoretical volume of sealant required for abandonment of the 2.0 inch diameter (I.D.) casing is approximately 9.0 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 55.0 feet below ground surface (b.g.s.).
- 3. Bentonite chips (Baroid Quick Grout/Baroid Hole Plug) is the approved sealant. When bentonite chips are added above static water level, a minimum of 5-gallons of fresh water shall be added to the borehole per 50-lb of bentonite chips.
- 4. Placement of the sealant within the wells shall be by tremie pipe extending 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. The tremie shall be incrementally removed to retain the tremie bottom a limited distance above the top of the rising column of chips throughout the plugging process.
- 5. 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.

- 6. 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.
- 7. NMOSE witnessing of the plugging of the non-artesian well will not be required.
- 8. Any deviation from this plan <u>must</u> obtain an approved variance from this office prior to implementation.
- 9. 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 31st day of January 2023

Mike A. Hamman, P.E. State Engineer

By: K. Parell

Kashyap Parekh Water Resources Manager I



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

January 31, 2023

Devon Energy Resources 6488 Seven Rivers Hwy Artesia, NM 88210

RE: Well Plugging Plan of Operations for C-4703-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.

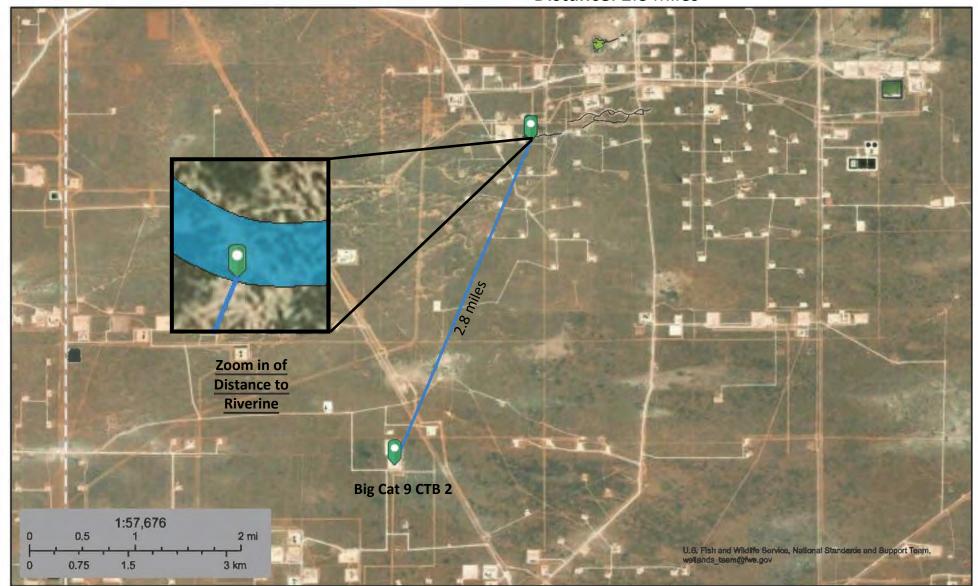
Sincerely,

Water Resources Manager I

Big Cat 9 CTB 2

Nearest Significant Watercourse: Riverine

Distance: 2.8 miles



July 25, 2025

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond



Other

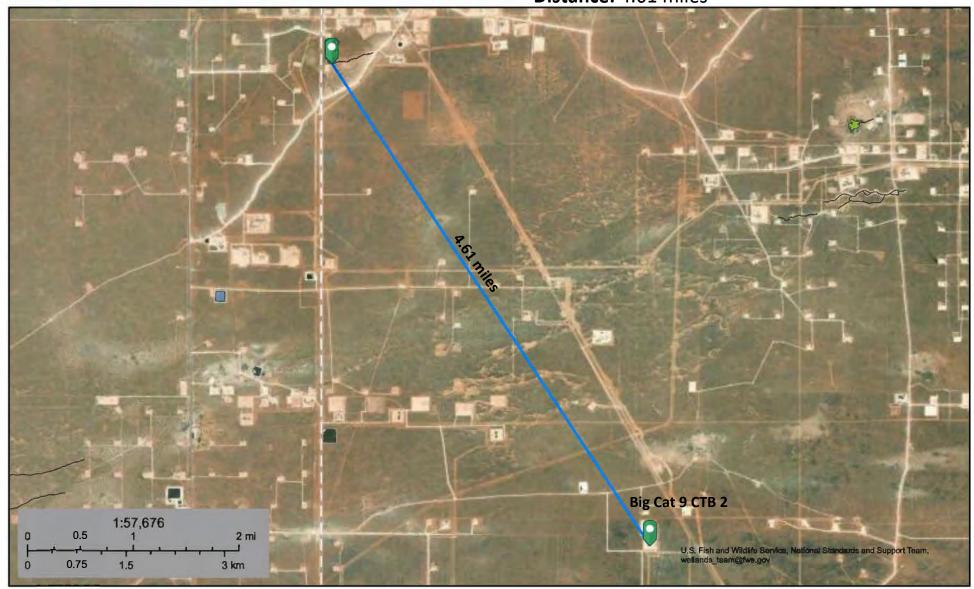


This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

U.S. Fish and Wildlife Service
National Wetlands Inventory

Big Cat 9 CTB 2 Nearest Playa Lake

Distance: 4.61 miles



July 25, 2025

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

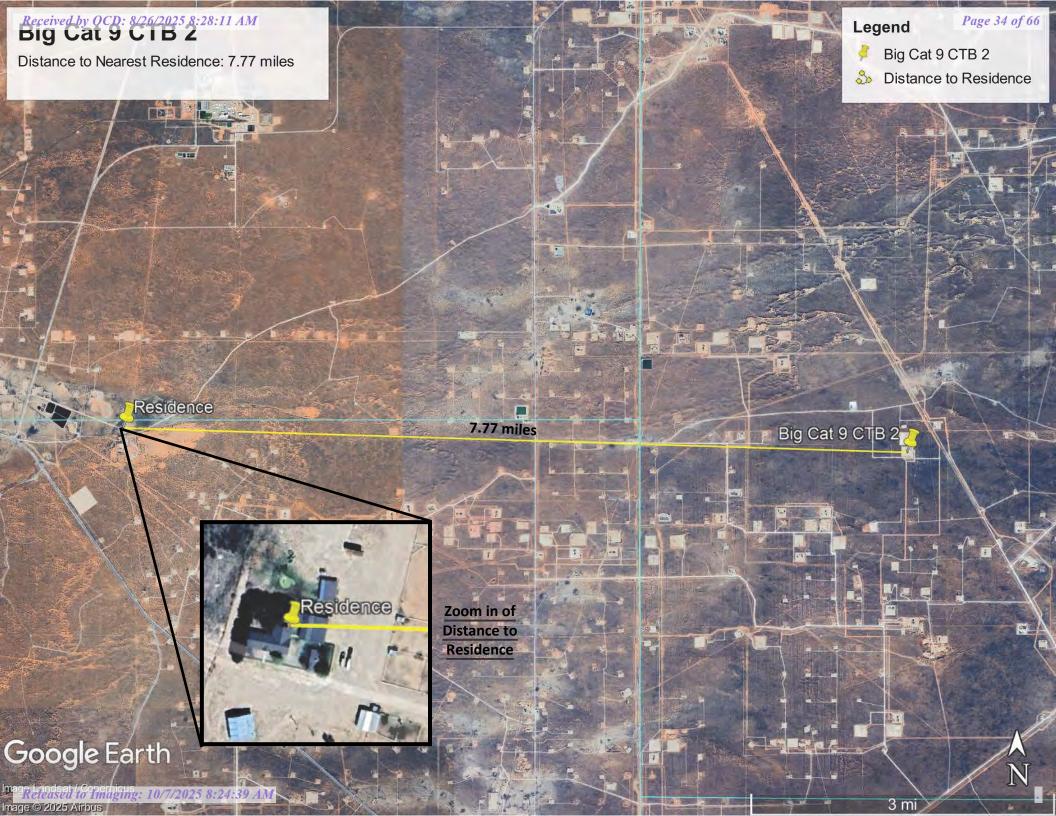
Freshwater Pond



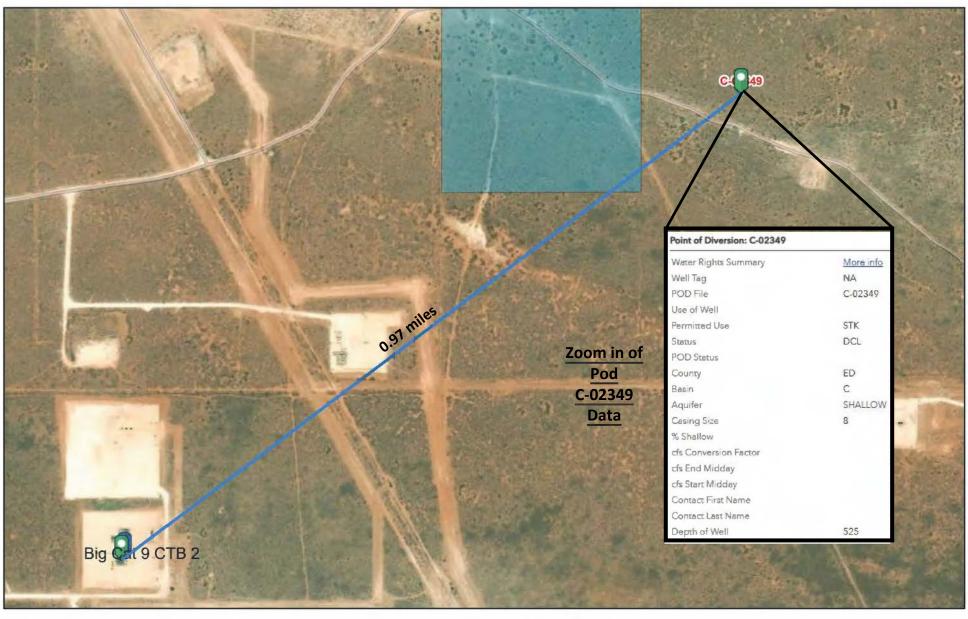
Other



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.



Big Cat 9 CTB 2 - Nearest Freshwater Well Map



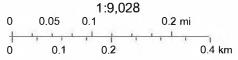
7/25/2025, 3:50:14 PM

Override 1
GIS WATERS PODs

GIS WATERS PODs

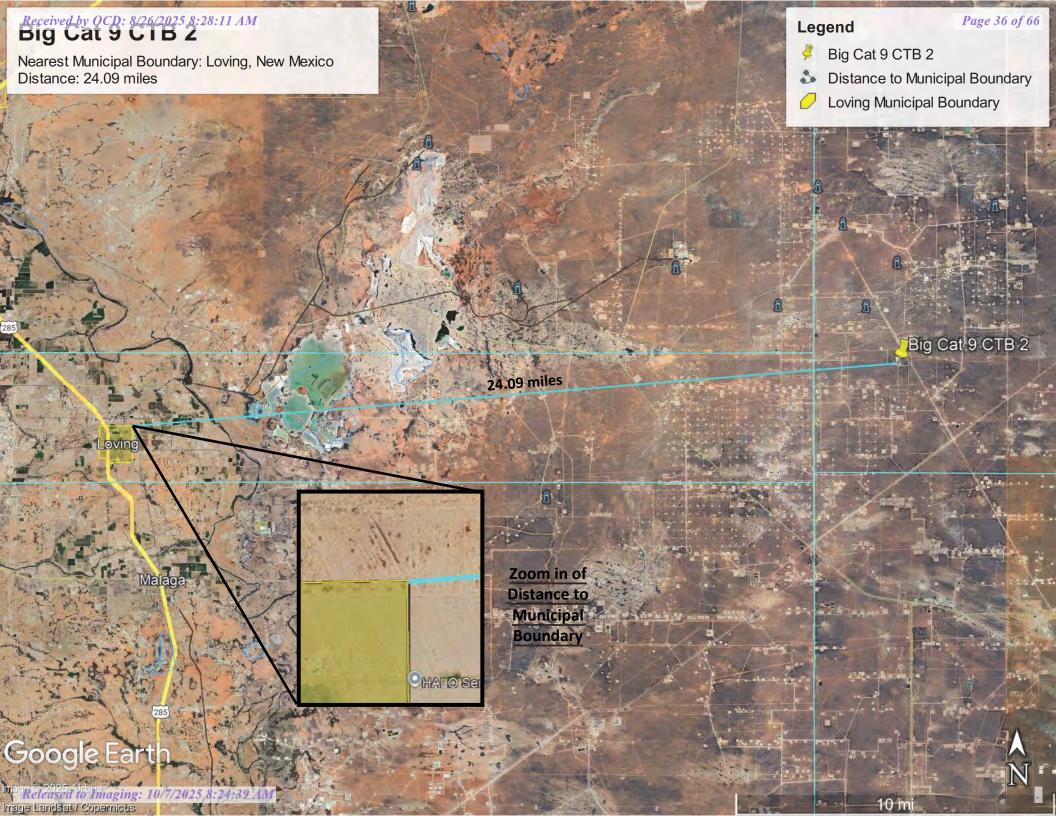


Nearest Freshwater Pod C-02349 Well Type Stock Watering Distance 0.97 miles



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

Monica Peppin
This is an unofficial map from the OSE's online application.

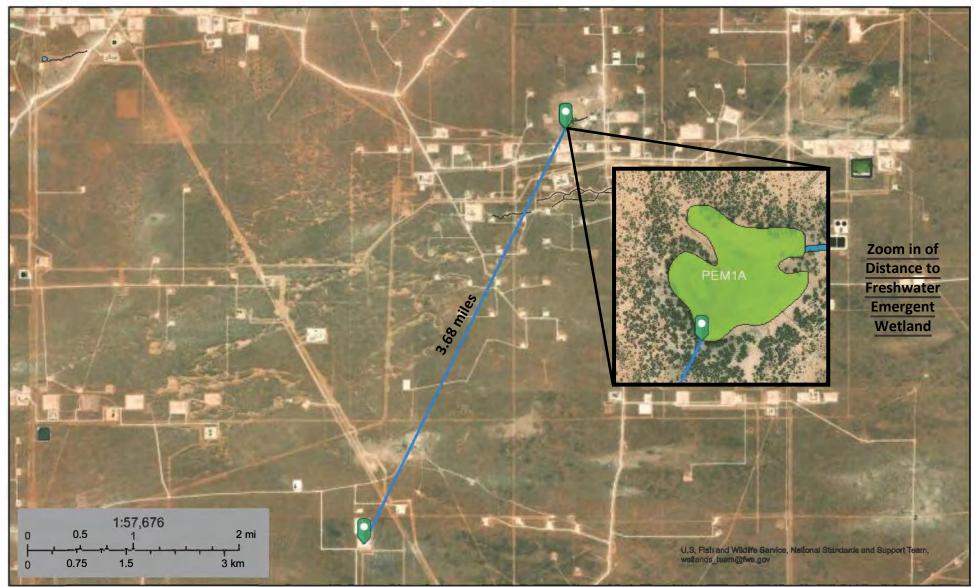


U.S. Fish and Wildlife Service

National Wetlands Inventory

Nearest Wetland: Freshwater Emergent Wetland

Distance: 3.68 miles



July 24, 2025

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

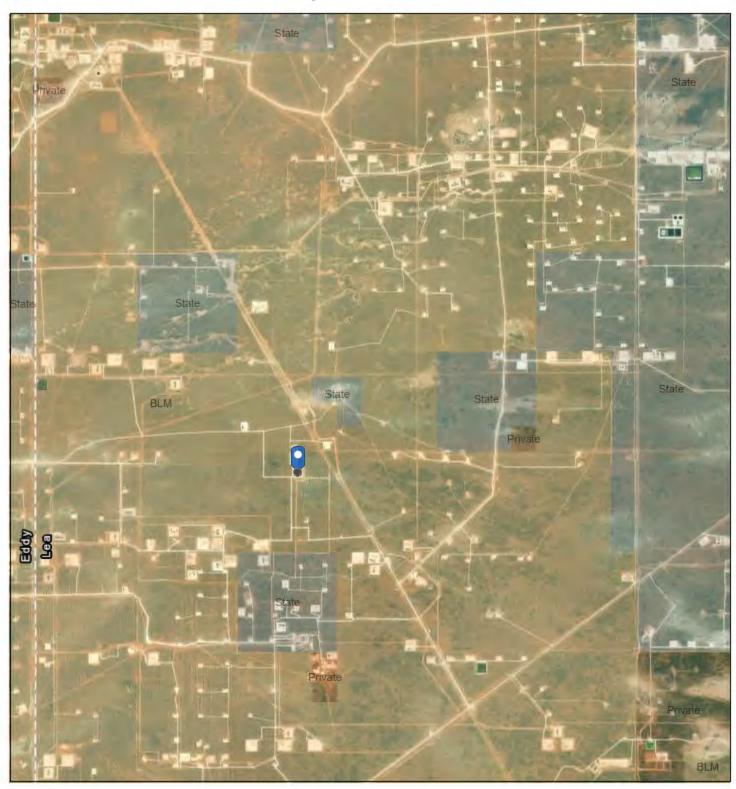


Other



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.

Big Cat 9 CTB 2



8/13/2025, 11:42:45 AM

Registered Mines

Land Ownership

Aggregate, Stone etc.

BLM

Aggregate, Stone etc.

Р

S



0.5

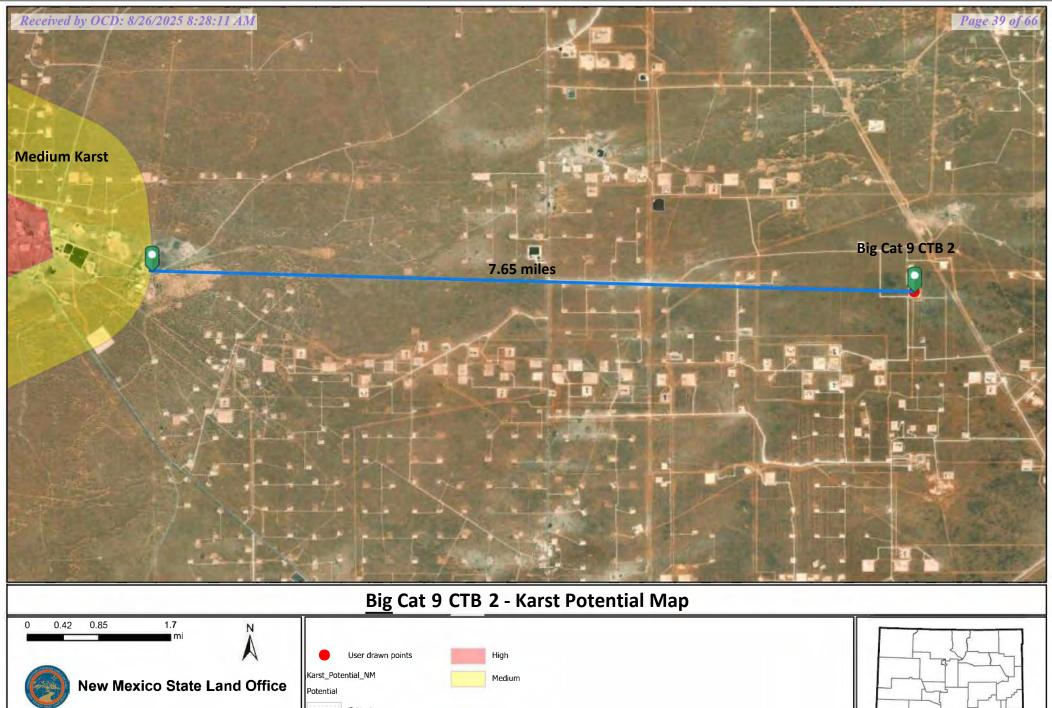
0.75

1:72,224

1.5

2 mi

3 km

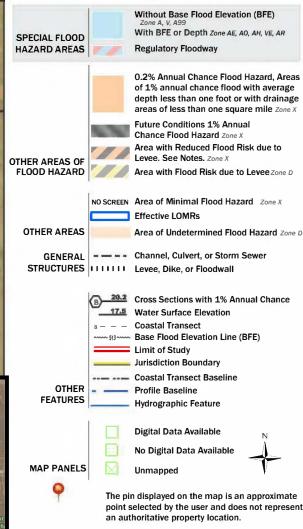




Received by OCD; 8/26/2025 8:28:11,AM National Flood Hazard Layer FIRMette



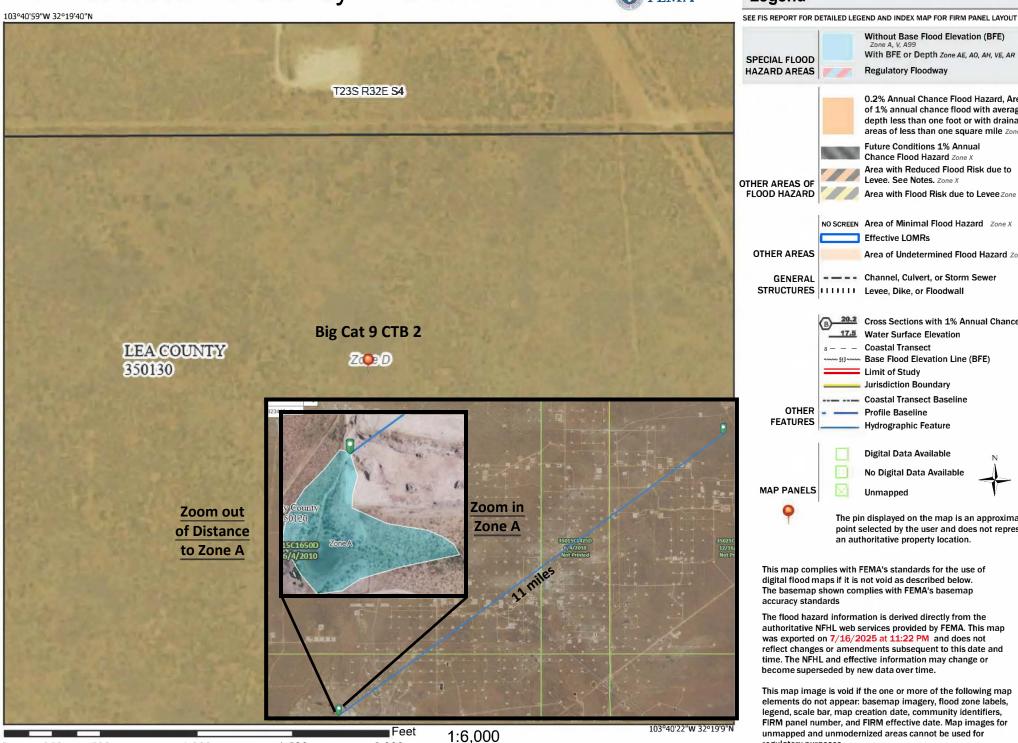




This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

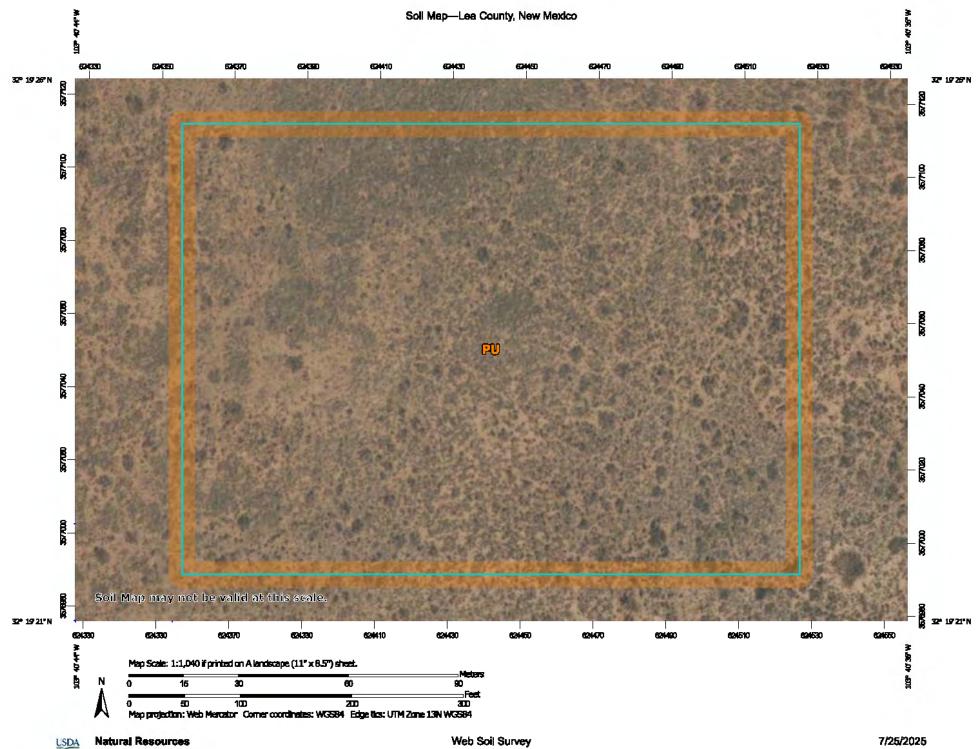
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/16/2025 at 11:22 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by 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.



1.500

2.000



Released to Imaging 9759772027 892499 AM

National Cooperative Soil Survey

Page 1 of 3

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

(c) Blowout

Borrow Pit

Clay Spot



Closed Depression

; Gravelly Spot

🚓 Landfill

入 Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

O Perennial Water

Rock Outcrop

→ Saline Spot

Sandy Spot

Severely Eroded Spot

.÷. Sinkhole

🦒 Slide or Slip

ള് Sodic Spot

Spoll Area

ام Stony Spot

Yery 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

accurate calculations of distance or area are required.

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

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

Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 21, 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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PU	Pyote and Maljamar fine sands	5.2	100.0%
Totals for Area of Interest		5.2	100.0%

Received by OCD: 8/26/2025 8:28:11 AM

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent Maljamar and similar soils: 44 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary

rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 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: Negligible

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: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e



Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: A

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary

rock

Typical profile

A - 0 to 24 inches: fine sand

Bt - 24 to 50 inches: sandy day loam Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 40 to 60 inches to petrocalcic

Drainage class: Well drained Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Very low

to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent

Ecological site: R070BC022NM - Sandhills

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 21, Sep 3, 2024



Ecological site R070BD003NM Loamy Sand

Accessed: 07/01/2025

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	Sandy Sandy
R070BD005NM	Deep Sand Deep Sand

Table 1. Dominant plant epecies

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site is on uplands, plains, dunes, fan piedmonts and in inter dunal arees. 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

Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity-short duration thunderstorms.

Temperatures are characterized by distinct seasonal changes and large annual and diumal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.

The averege frost-free season is 207 to 220 days. The last killing frost being lata March or early April and the first killing frost being in later October or early November.

Temperature and reinfall both favor warm season perennial plant growth. In yeers of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Strong winds blow from the southwest from January through June, which accelerates soil drying during a critical period for cool season plant growth.

Climate data was obtained from http://www.wrcc.sage.dri.edu/summary/climsmnm.html web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

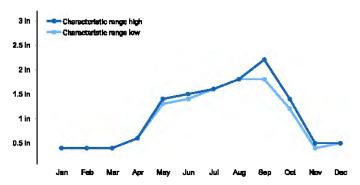


Figure 2. Monthly precipitation range

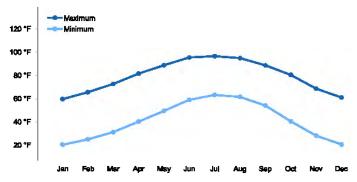


Figure 3. Monthly average minimum and maximum temperature

Influencing water features

This site is not influenced from water from wetlands or streams.

Soll 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 avarages 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 celcium 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

	(1) Fine sand (2) Fine sandy loam (3) Loamy fine sand
Family particle size	(1) Sandy

Ecological dynamics

Overview

The Loamy Sand site intergrades with the Deep Sand and Sandy

1	I
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 ln
Calcium cerbonate 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

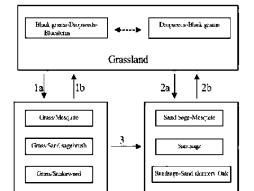
sites (SD-3). These sites can be differentiated by surface soil texture and depth to a textural change. Loamy Sand and Deep Sand sites have coarse textured (sands and loamy sand) surface soils while Sandy sites have moderately coarse textured (sandy loam and fine sandy loam) surfaces. Although Loamy 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 shrubdominated states toward the grassland-dominated historic plant community.

State and transition model

Plant Communities and Transitional Pathways (diagram):



Shrub-Dominated

MLRA-42, SD-3, Loamy Sand

- 1a Drought, over grazing, fire suppression
- 1b. Hrush control, prescribed grazing
- 2.a Severe loss of grass cover, fire suppression, crosson.

Grass/Shrub

- 2b. Hrush control, seeding, prescribed grazing,
- 3. Continued loss of grass cover, erosion

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
Total	650	1225	1800

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%

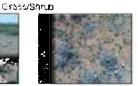


Figure 5. Plant community growth curve (percent production by month). NM2603, R042XC003NM-Loamy Sand-HCPC. SD-3 Loamy Sand - Warm season plant community.

Stata 2 Grass/Shrub

Community 2.1 Grass/Shrub





*Black grand/likespate community, with some displaced, bitheories, and some of and shantary odd vibrations are low to medicale.

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. Mesquita 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 (McDanial et al. 1984). Key indicators of approach to transition: . Loss of black grama cover . Surface soil erosion • Bare patch expansion • Increased dropseed/threeawn 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 mesquita 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 fira suppression will result in a transition to a shrub-dominated state with sand sage, Shin oak, and honey mesquite directly from the grasslanddominated 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 specias will augment the transition to a grassland-dominated steta. 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/threeawns cover • Surface soil erosion • Bare patch Increased sand sage, shinnery oak, and expansion • mesquite/dropseed/threeawn and mesquite/snakeweed abundance

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Community 1.1 plant community composition Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
	s/Grasslike	Cymbol		, amage i roudonom (Ebiracie)	1. 0.14. 00761 (/8)
1	Warm Season			61–123	
-	little bluestem	scsc	Schizachyrium scoparium	61–123	_
2	Warm Season	10000	Genizaenynam scopanum	37–61	_
	sand bluestem	ANHA	Andropogon hallii	37–61	_
3	Warm Season	ANITA	Andropogon nami	37–61	_
	cane bluestem	воваз	Bothriochloa barbinodis	37–81	
	silver bluestern	BOSA	Bothriochloa saccharoides	37–61	-
4	Warm Season	I BOSA	Botrinochioa saccharoides	123–184	_
4		BOER4	Poutolous orienado	123–184	
	black grama		Bouteloua eriopoda		_
	bush muhly Warm Season	MUPO2	Muhlenbergia porteri	123–184	_
5		I DA OES	In	123–184	
	thin paspalum	PASE5	Paspalum setaceum	123–184	_
	plains bristlegrass	SEVU2	Setaria vulpiseta	123–184	_
	fringed signalgrass	URCI	Urochloa ciliatissima	123–184	_
6	Warm Season		T	123–184	
	spike dropseed	SPCO4	Sporobolus contractus	123–184	_
	sand dropseed	SPCR	Sporobolus cryptandrus	123–184	_
	mesa dropseed	SPFL2	Sporobolus flexuosus	123–184	_
7	Warm Season		<u>, </u>	61–123	
	hooded windmill grass	CHCU2	Chloris cucullata	61–123	_
	Arizona cottontop	DICA8	Digitaria californica	61–123	_
9	Other Perennial Grasses	_		37–61	
	Grass, perennial	2GP	Grass, perennial	37–61	_
Shrui	o/Vine				
8	Warm Season			37–61	
	New Mexico feathergrass	HENE5	Hesperostipa neomexicana	37–61	_
	giant dropseed	SPGI	Sporobolus giganteus	37–61	_
10	Shrub			61–123	
	sand sagebrush	ARFI2	Artemisia filifolia	61–123	_
	Havard oak	QUHA3	Quercus havardii	61–123	-
11	Shrub	•		34–61	
	fourwing saltbush	ATCA2	Atriplex canescens	37–61	_
	featherplume	DAFO	Dalea formosa	37–61	_
12	Shrub			37–61	
	jointfir	EPHED	Ephedra	37–61	_
	littleleaf ratany	KRER	Krameria erecta	37–61	_
13	Other Shrubs			37–61	
	Shrub (>.5m)	2SHRUB	Shrub (>.5m)	37–61	_
Forb	. ,	1	1 / /	1	
14	Forb			61–123	
	leatherweed	CRPOP	Croton pottsii var. pottsii	61–123	
	Indian blanket	GAPU	Gaillardia pulchella	61–123	-
	mean vance	10, 110	Gamardia paioriona	1 01-120	

	globemallow	SPHAE	Sphaeralcea	61–123	_
15	Forb			12–37	
	woolly groundsel	PACA15	Packera cana	12–37	_
16	Forb			61–123	
	touristplant	DIWI2	Dimorphocarpa wislizeni	61–123	_
	woolly plantain	PLPA2	Plantago patagonica	61–123	-
17	Other Forbs			37–61	
	Forb (herbaceous, not grass nor grass-like)	2FORB	Forb (herbaceous, not grass nor grass-like)	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 scissortailed 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, borseback 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, blsck grama, bush muhly, plains bristlegrass, New Mexico feathergrass, Arizona cottontop and fourwing saltbush. A corresponding increase in the dropseeds, windmill grass, fall witchgrass, silver bluestem, sand sagebrush, shinery 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

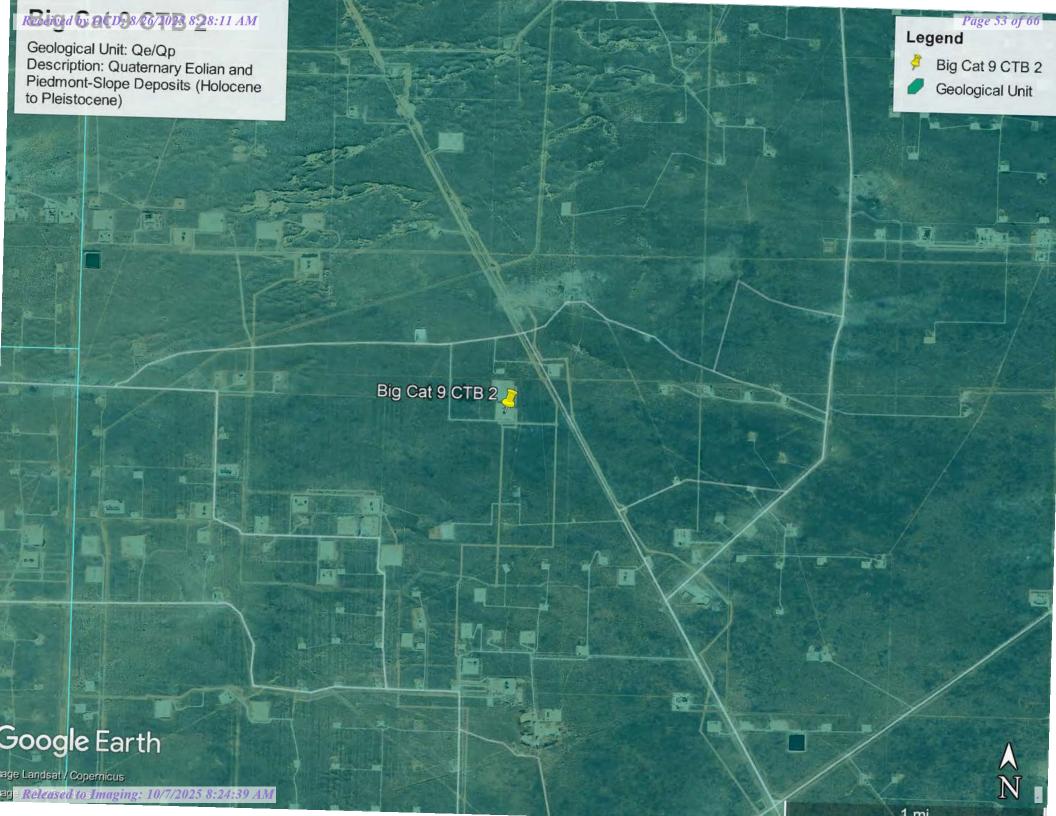
Similarity Index Ac/AUM

100 - 76 2.3 - 3.5

75 - 51 3.0 - 4.5

 $50 - 26 \ 4.6 - 9.0$

25 - 09.1 +





APPENDIX C

CORRESPONDENCE



RE: [EXTERNAL] nAPP2514723014 Big Cat 9 CTB 2 Liner Inspection Notification

From Raley, Jim < Jim.Raley@dvn.com>

Date Mon 2025-06-23 10:16 AM

To Monica Peppin < Monica. Peppin@kljeng.com>

Cc Will Harmon < will.harmon@kljeng.com>

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Submitted 6/23

Jim Raley | Environmental Professional - Permian Basin 5315 Buena Vista Dr., Carlsbad, NM 88220

C: (575)689-7597 | jim.raley@dvn.com



From: Monica Peppin < Monica. Peppin@kljeng.com>

Sent: Monday, June 23, 2025 8:48 AM **To:** Raley, Jim <Jim.Raley@dvn.com>

Cc: Will Harmon < will.harmon@kljeng.com>

Subject: [EXTERNAL] nAPP2514723014 Big Cat 9 CTB 2 Liner Inspection Notification

Jim,

Below is the liner notification for the Big Cat 9 CTB 2. Let me know if you have any questions or changes to the date and time.

Liner Inspection	Notification
Site Name	Big Cat 9 CTB 2
Incident ID	nAPP2514723014
Containment Surface Area (Square Feet)	5461
All impacted materials have been removed from liner?	Yes
Liner Inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	6/26/2025
Inspection Time	11:30 AM

Contact info of technician for observers	l Monica Peppin 575.909.3418
Navigation to site (Lat/Long)	32.323442, -103.677896

Thank you, Monica

Monica Peppin, A.S.
Environmental Specialist II

575-213-9010 Direct 575-909-3418 Cell Carlsbad, NM 88220

<u>kljeng.com</u>

Book time to meet with me

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RE: [EXTERNAL] nAPP2514723014 Big Cat 9 CTB 2 Liner Notification Reschedule

From Wells, Shelly, EMNRD < Shelly. Wells@emnrd.nm.gov>

Date Thu 2025-06-26 3:19 PM

To Monica Peppin < Monica. Peppin@kljeng.com>

Cc Raley, Jim <jim.raley@dvn.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>

You don't often get email from shelly.wells@emnrd.nm.gov. <u>Learn why this is important</u>

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Good afternoon Monica,

Thank you for updating the OCD regarding the liner inspection that had to be cancelled due to weather today. This has been noted under the Incident Events in Permitting. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520 Shelly.Wells@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/

From: Monica Peppin < Monica. Peppin@kljeng.com>

Sent: Thursday, June 26, 2025 2:43 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Raley, Jim <jim.raley@dvn.com> **Subject:** [EXTERNAL] nAPP2514723014 Big Cat 9 CTB 2 Liner Notification Reschedule

You don't often get email from monica.peppin@kljeng.com. Learn why this is important

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To Whom it May Concern:

I am providing an update to the scheduling of the liner inspection originally planned for today at the Devon Energy - Big Cat 9 CTB 2 related to incident ID nAPP2514723014. Due to weather conditions

and accumulation of rainfall inside the secondary containment, standing water is currently present and prevents proper inspection of the liner surface.

An updated notification will be submitted through OCD permitting on the Operator's Electronic Permitting and Payment Portal.

If you have any questions or concerns, feel free to contact me.

Thank you, Monica



Book time to meet with me



RE: [EXTERNAL] nAPP2514723014 Big Cat 9 CTB 2 Liner Inspection Notification

From Raley, Jim < Jim.Raley@dvn.com>

Date Mon 2025-07-14 12:56 PM

To Monica Peppin < Monica. Peppin@kljeng.com>

Cc Will Harmon < will.harmon@kljeng.com>

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Submitted 7/14

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



From: Monica Peppin < Monica. Peppin@kljeng.com>

Sent: Friday, July 11, 2025 4:31 PM **To:** Raley, Jim <Jim.Raley@dvn.com>

Cc: Will Harmon < will.harmon@kljeng.com>

Subject: [EXTERNAL] nAPP2514723014 Big Cat 9 CTB 2 Liner Inspection Notification

Jim,

Here is the liner notice for the Big Cat. Just let me know if there are any adjustments needed to the date and time. I pushed it out to wednesday in case you are unable to get to it until monday. Have a good weekend!

Liner Inspection Notification	
Site Name	Big Cat 9 CTB 2
Incident ID	nAPP2514723014
Containment Surface Area (Square Feet)	5461
All impacted materials have been removed from liner?	Yes
Liner Inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	7/16/2025
Inspection Time	11:00 AM

Contact info of technician for observers	Monica Peppin 5/5.909.3418
Navigation to site (Lat/Long)	32.323442, -103.677896

Thank you, MP

Monica Peppin, A.S. Environmental Specialist II



575-213-9010 Direct 575-909-3418 Cell Carlsbad, NM 88220

kljeng.com



Book time to meet with me

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

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 499227

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	499227
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2514723014
Incident Name	NAPP2514723014 BIG CAT 9 CTB 2 @ FAPP2329744254
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2329744254] BIG CAT 9 CTB 2

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BIG CAT 9 CTB 2
Date Release Discovered	05/26/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pump Produced Water Released: 15 BBL Recovered: 15 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)	Transfer pump swedge developed leak allowing fluids to be released to lined secondary containment and fully contained.

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 2

Action 499227

QUESTI	ONS (continued)
Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137 Action Number: 499227
Okianoma City, Ok 73102	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response The responsible party must undertake the following actions immediately unless they could create a s	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releate the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com

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 3

Action 499227

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	499227
	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	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)	
Any other fresh water well or spring	Between ½ and 1 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 1 and 5 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	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	to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
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.		
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	Yes	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes complet which includes the anticipated timelines for beginning and completing the remediation.	ted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	07/14/2025	
On what date will (or did) the final sampling or liner inspection occur	07/16/2025	
On what date will (or was) the remediation complete(d)	07/16/2025	
What is the estimated surface area (in square feet) that will be remediated	5461	
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.

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 4

Action 499227

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	499227
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)			
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.			
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:			
(Select all answers below that apply.)			
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.		
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,			

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 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: 08/26/2025

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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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 499227

Santa Fe, NM 87505				
QUESTIONS (continued)				
Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137 Action Number: 499227 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)			
QUESTIONS	·			
Liner Inspection Information				
Last liner inspection notification (C-141L) recorded	484583			
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	07/16/2025			
Was all the impacted materials removed from the liner	Yes			
What was the liner inspection surface area in square feet	5461			
Remediation Closure Request Only answer the questions in this group if seeking remediation closure for this release because all re Requesting a remediation closure approval with this submission Have the lateral and vertical extents of contamination been fully delineated Was this release entirely contained within a lined containment area What was the total surface area (in square feet) remediated What was the total volume (cubic yards) remediated	Yes Yes Yes 5461			
Summarize any additional remediation activities not included by answers (above)	0			
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents			
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed no 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@dvn.com Date: 08/26/2025			

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

CONDITIONS

Action 499227

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	499227
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created E	y Condition	Condition Date
rhamle	We have received your Remediation Closure Report for Incident #nAPP2514723014 BIG CAT 9 CTB 2, thank you. This Remediation Closure Report is approved.	10/7/2025