

**THE NEVADA DIVISION OF MINERALS OF THE
COMMISSION ON MINERAL RESOURCES
INFORMATIONAL STATEMENT
SUBMITTED IN COMPLIANCE WITH NRS 233B.066**

**UPON ADOPTION OF REGULATION FOR THE COMMISSION ON MINERAL RESOURCES;
DIVISION OF MINERALS IN CHAPTER 522 OF THE NEVADA ADMINISTRATIVE CODE**

LCB File No. R052-25

June 29th, 2026

**The following statement is submitted for adopted amendments to Nevada
Administrative Code (NAC) Chapter 522.**

1. A clear and concise explanation of the need for the adopted regulation.

The proposed amendment is to update technical references that pertain to oil and gas well drilling and completion and streamline, clarify, reduce or otherwise improve oil and gas regulations.

2. A description of how public comment was solicited, a summary of public response, and an explanation how other interested persons may obtain a copy of the summary.

A public workshop was held on August 26th, 2025, at the Nevada Legislative Building, 401 South Carson Street, Carson City, NV 89701 and the minutes of that meeting, attached hereto as Exhibit B. Thereafter, on or about January 9th, 2026, the Administrator of the Nevada Division of Minerals issued a Notice of Intent to Act Upon a Regulation.

A public hearing was held on February 19th, 2026, in conjunction with a quarterly Commission on Mineral Resources meeting in Las Vegas. One written comment was submitted and one member of the public made oral comment. The Commission on Mineral Resources decided to not hold a vote on the regulation change at the time to provide time to review the public comment. The minutes of this meeting are attached hereto as Exhibit C.

A public hearing was again held on June 17th, 2026, at the office of the Nevada Division of Minerals, 400 W. King St. #106, Carson City, NV 89703. There was no public comment; the minutes of this meeting are attached hereto as Exhibit D.

A copy of this summary of the public response to the proposed regulation may be obtained from the Nevada Division of Minerals, 400 W. King St. #106, Carson City, NV 89703, 775-674-7040, ndom@minerals.nv.gov

3. The number of persons who:

- a. Attended each hearing:** Public Workshop, Aug. 26, 2025: 14 persons; Public Hearing, Feb 19., 2026: 18 persons; Public Hearing, June 17, 2026: 8 persons
- b. Testified at each hearing:** Public Workshop, Aug. 26, 2025: 0 persons; Public Hearing, Feb 19., 2026: 1 person; Public Hearing, June 17, 2026: 0 persons
- c. Submitted to the agency written comments:** The agency received three written comments.

4. A list of names and contact information, including telephone number, business address, business telephone number, electronic mail address, and name of entity or organization represented, for each person identified above in #3, as provided to the agency, is attached as Exhibit A.

5. A description of how comment was solicited from affected businesses, a summary of their response, and an explanation how other interested persons may obtain a copy of the summary:

Comments were solicited from affected businesses via an electronic survey and in the same manner as they were solicited by the public. The summary may be obtained as instructed in the response to question #2.

6. If the regulation was adopted without changing any part of the proposed regulation, a summary of the reasons for adopting the regulation without change.

The permanent regulation was adopted on June 17th, 2026. The adopted regulation included changes which were incorporated based on comment from the public at the February 19th, 2026 public hearing.

- 7. The estimated economic effect of the adopted regulation on the businesses which it is to regulate and on the public. These must be stated separately, and each case must include:**

a. Both adverse and beneficial effects.

There are no reasonably foreseen adverse nor beneficial economic impacts resulting from the change in regulations.

b. Both immediate and long-term effects.

The effects of the change of regulation are the same in the immediate and long term.

- 8. The estimated cost to the agency for enforcement of the adopted regulation.**

There are no additional costs to the agency for enforcement of the adopted regulation.

- 9. A description of any regulations of other state or government agencies which the proposed regulation overlaps or duplicates and a statement explaining why the duplication or overlapping is necessary. If the regulation overlaps or duplicates a federal regulation, the name of the regulating federal agency.**

There are no state or government agency regulations that the proposed regulation overlaps or duplicates.

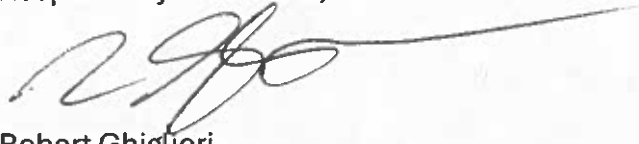
- 10. If the regulation includes provisions that are more stringent than a federal regulation which regulates the same activity, a summary of such provisions.**

The regulation is not more stringent than any known federal regulation.

- 11. If the regulation provides a new fee or increases an existing fee, the total annual amount the agency expects to collect and the manner in which the money will be used.**

The regulation does not provide a new fee or increase an existing fee.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'R. Ghiglieri', with a long horizontal line extending to the right.

Robert Ghiglieri,
Administrator
Nevada Division of Minerals

NAC 519A Workshop Participants (August 26th, 2025)

Name	Telephone Number	Business Address	Business Telephone Number	Email Address	Organization Represented
Leo Giangiacomo					
Bill Ehne				ehnient@aol.com	Consulting Geologist
Wesley Adams		90 South 400 West, Suite 410, Salt Lake City, UT 84101		ADMIN@ZANSKAR.COM	Zanskar Geothermal, Inc.
Ann Garth		114 State Street, 6th Floor, Boston, MA 02109	617.624.0234	agarth@catf.us	Clean Air Task Force
Terra Rogers		114 State Street, 6th Floor, Boston, MA 02109	617.624.0234	trogers@catf.us	Clean Air Task Force
Vanessa Robertson				Vanessa@geothermal.org	Geothermal Rising
Brandon Law				brandon.law@fervoenergy.com	Fervo Energy
Caitly Smith		2479 East Bayshore Road, Suite 210, Palo Alto, CA 94303	707.477.5567	csmith@xgsenergy.com	XGS Energy
Sheldon Bide					Fervo Energy
Erica Freese					Ormat
Josh Nordquist				jnordquist@ormat.com	Commission on Mineral Resources / Ormat
Robert Ghiglieri, Garrett Wake, Dustin Holcomb					
NDOM					

NAC 519A Public Hearing Participants (November 13th, 2025)

Fred Dilger					NV Agency for Nuclear Projects
Simon Jowitt					Nevada Bureau of Mines and Geology
Beatruz Maquez Garcia					
Ernesto Cuenca					
Kevin Vindel					
Josh Nordquist					CMR
Arthur Henderson					CMR
Nigel Bain					CMR
Stephanie Hallinan					CMR
Randy Griffin					CMR
Bob Potts					CMR
Robert Ghiglieri					NDOM
Rebecca Tims					NDOM
Garrett Wake					NDOM
Lucia Patterson					NDOM
Lorraine Belt-Dolan					NDOM
Nicole Ting					NV DAG
Daniel Marlow					LCB

COMMISSION ON MINERAL RESOURCES
NAC 513 & NAC 522 Hearings and Commission Meeting
SIGN-IN SHEET
February 19, 2026, 10:00 AM

First and Last Name	Email Address	Phone #	Organization	Mark each mtg you will be attending		
				CMR Meeting	NAC 513	NAC 522
Robert Cardington	ROBERT@DB-LS.COM	702-340-8649	NEVADA ASSOC OF LAND SUPERVISORS			X
Carol Shelton	Cshelton@minerals.nv.gov	702.769.2618	NDOM	+		
Tosh Nordquist	tnordquist@ornmt.com	725-741-8868	CMR	+		
Tobias Konemann	tobias.konemann@hoist.com	702 506 7359	Hoist	+		
Sage Maddux	Sage.maddux@hoist.com	702-830-2124	Hoist	+		
Allison Anderson	aanderson@aga.gold	720-731-5580	AGA	+		
Joel Donaldson	jdonaldson@aga.gold	775 385 2937	AGA	+		
Randy Miller	RANDY@AGACIFFH@GMAIL.COM	302-739-4825	CMR	+		
Garrett Wake			NDOM			
Peter Engh			NDom	+		
Sean Dorsey			NDOM	X		

COMMISSION ON MINERAL RESOURCES
NAC 513 & NAC 522 Hearings and Commission Meeting
SIGN-IN SHEET

February 19, 2026, 10:00 AM

First and Last Name	Email Address	Phone #	Organization	Mark each mtg you will be attending		
				CMR Meeting	NAC 513	NAC 522
Bob Pitts			CMR			
Bob Felder			CMR			
Rob Gwigler			NACM			
Nigel Pitts			CMR			
Arx			CMR			
Stephanie			CMR			
Lorraine Belt Olson			NACM	x	x	x



JOE LOMBARDO
Governor

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ROBERT GHIGLIERI
Administrator

Tuesday, August 26, 2025

1:00 P.M.

MINUTES

Commission	Staff	Public
Josh Nordquist	Robert Ghiglieri	Leo Giangiacomo, Consultant (phone)
	Rebecca Tims	Wesley Adams, Zanskar Geothermal & Minerals, Inc (phone)
	Dustin Holcomb	Bill Ehne, Consulting Geologist
	Nicole Ting	Ann Garth, Clean Air Task Force
		Terra Rogers, Clean Air Task Force
		Vanessa Robertson, Geothermal Rising
		Brandon Law, Fervo Energy
		Caity Smith, XGS Energy
		Sheldon Bide, Fervo Energy
		Erica Freese, Ormat
		Nikki Bailey-Lundahl, NvMA

COMMENTS BY THE GENERAL PUBLIC

There were no comments.

I. Intent

The Division of Minerals held a public workshop to update regulations on NACs 513, 519A, 522, and 534A. Administrator Ghiglieri provided an overview of the workshop process and intent. He then presented on the proposed changes to each regulation and concluded by explaining the next steps in the regulatory change process.

II. NAC 513

There were no public comments on NAC 513.

III. NAC 519A

There were no public comments on NAC 519A.

IV. NAC 522

A **Leo Giangiacomo** of the public made a comment regarding the release of natural gas. He stated if he releases one molecule of natural gas in the process of drilling a completion that he is in violation of regulations and feels that this is impractical. He stated there should be a minimal volume in which this kicks in at rather than any volume. **Wesley Adams**

questioned the submittal of core and asked how much of the rock core needs to be slabbed and sent to the Division of Minerals. **Administrator Ghiglieri** stated the core change is under NAC 522.15 which says a minimum of two 15 millimeter sets of cuttings per sample, interval must be cleaned, dried and placed in the sample envelopes, and the cuttings and core split to the Bureau of Mines and Geology, not to the Division of Minerals. Instead of as soon as possible or as soon as drilling of the well is complete, we now have within 90 days after the drilling of the well is complete. The change of the requirements of the drilling has not changed, the time frame for those requirements to the Bureau of Mines and Geology is what is being changed. **Bill Ehne** had a comment on the hydraulic fracking section that isn't addressed in these modifications. He thinks the process needs to be modified. It needs to be simpler for an operator to perforate a zone and stimulate the zone without going through the full hydraulic fracturing process that is outlined in the NRS. Maybe the volumes need to be changed. Leo gave him some language that he thought was good which was, the definition of hydraulic fracturing is the process of fracturing fluids into a specific rock strata at pressures exceeding the mechanical strength of the rock and at a rate high enough to spread the fracture and prop it open sufficient distance from the wellbore to enhance the permeability of the rock sufficient to the well and the well will produce economic quantities. The existing language says the process of pumping fluid in to or under the surface of the ground to create fracture in the rock to facilitate the production or recovery of oil and gas. That's onerous that you can't pump fluid into the formation to anticipate, the simple process is if you perforate a zone and you don't have any in-flow from the zone, you're perforating you have to clean those perforations out. To do that, you must pump something back into the formation, possibly something like dilute hydrochloric acid to clean up the cement. Sometimes it takes effort. I suggest there be some language in this that allows simple stimulation to a zone that is being tested for oil and gas. If you don't it is detrimental to the state. If an operator drills a well and they want to stimulate a specific zone that they hadn't anticipated before, it turns out that's no good but look we've got this really good-looking zone above, but we have not gone through the whole process of review and the review area. We just want to see if we can get something out of it. **Leo Gingiacomo** wants to back up some comments from Bill Ene. He does feel that the definition the legislation is such that you cannot build good regulations based on that definition. It is critical to work with the legislators to get that definition changed into something that is more workable and from that point we can build better regulations regarding the hydraulic fracturing process.

V. NAC 534A

Ann Garth is curious about the definition on recovery of fluids and wants to make sure the definition doesn't exclude projects that are happening in dry rock conditions where they are doing stimulation in order to recover more heat, but the fluids are not preexisting in the sub surface but are rather being introduced. **Tara Rogers** wants us to consider unique technologies that extract heat that do not require simulation. The suggestion or consideration she would bring to this body is consideration for the definition of next generation where it can embody various techniques including hybrids of stimulated and non-stimulated heat extraction techniques not requiring hydrothermal bodies. **Vanessa Robertson** wants to lean on what Tara said in recommending a whole other definition regarding next generation geothermal that addresses existing new generation technologies as closed loop, AGS, but a variety of technologies that are yet to be discovered or not in one bucket or another, and being able to open up the opportunities for operators and developers to take advantage of geothermal in Nevada. **Tara Rogers** from Clean Air Task Force, which is a global nonprofit focused on decarbonizing the energy sector. She states that they have focused on geothermal as a technology solution is because they believe it to be truly transformative at a scale that is hard to imagine today. Nevada is uniquely positioned to lead this industry both in technology and its people and labor. She is not going to comment specifically on the fees suggested, but rather to elevate how important it is that our online resources are adequate for those entering the sector to understand how to access it. The recommendation is to ensure that the fees are adequate to make this regulatory structure accessible and easy to manage. She expects this sector to grow quickly and Nevada to lead. **Dustin Holcomb** wanted to clarify that none of the fees that are being proposed will apply to applications that have been submitted now or until these regulations come into effect. **Administrator Ghiglieri** confirmed that these fee changes will not go into effect until after being codified by the legislature. We are looking at 6 months, at that point we will ensure that every operator and every application is aware when that change will take place on any fee changes as well as regulatory changes. **Josh Nordquist** wants to propose that on NAC 534.216(1) he is suggesting us to consider a longer timeline than thirty days before we assess the 5% percent fee to allow business processes today that seem to take sixty to ninety days to process before we bring in penalties. **Brandon Law** with Fervo said he understands the State's need to cover expenses for plugging abandoned orphaned wells. He wants to point out that the bond for operating across the state for Oil and Gas is \$50,000, this is six times that. The bond for a project area in Utah is \$50,000; this is six times that. The bond for a project area in California is \$100,000; this is three times that. **Josh Nordquist** commented on 534A.250(3) saying he assumes the thought process for increasing the bond to

regulations being adequate for production scale things but maybe there should be a modification or some exceptions for tests wells or exploratory wells because you really don't know what you're going to do until you've got that first well in the system.

COMMENTS BY THE GENERAL PUBLIC

There were no comments.

ADJOURNMENT

The meeting adjourned at 2:38 PM.



JOE LOMBARDO
Governor

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ROBERT GHIGLIERI
Administrator

Thursday, February 19, 2026

10:00 A.M.

MINUTES

Commission	Staff	Public
Josh Nordquist	Robert Ghiglieri	Robert Carrington
Bob Potts	Garrett Wake	Tobias Konzmann
Arthur Henderson	Lorraine Belt-Dolan	Sage Maddox
Bob Felder	Carol Shelton	Allison Anderson
Nigel Bain	Peter Engh	Joel Donalson
Randy Griffin	Sean Derby	
Stephanie Hallinan	Dustin Holcomb	

CALL TO ORDER

10:00 AM by Chairman Josh Nordquist

Roll Call

All commissioners were present.

COMMENTS BY THE GENERAL PUBLIC

- No Public Comment

I. Agenda

A. Approval of the Agenda

Motion to approve the agenda made by: Bob Potts

Seconded by: Randy Griffin

Unanimously approved

II. Minutes

A. Approval of August 26, 2025, public workshop minutes
(NACs 513, 519A, 522, and 534A)

- Administrator Ghiglieri noted that we need to add Nikki Baily Lindel to the attendance of the workshop minutes.

Motion to approve the minutes made by: Bob Felder with the correction

Seconded by: Stephanie Hallinan

Unanimously approved

B. Approval of the meeting minutes from the November 13, 2025, meeting

Motion to approve the minutes made by: Bob Felder

Seconded by: Stephanie Hallinan

Unanimously Approved

III. Intent to Act Upon Regulations

A. NAC 513

- Administrator Ghiglieri provided an overview of the regulation changes.
- **Commissioner Potts** asked if there were any substantive changes to the regulation. **Administrator Ghiglieri** said that the change is to advance the deadline for submission next calendar year. **Chairman Nordquist** asked Administrator Ghiglieri if this was workshopped and **Administrator Ghiglieri** affirmed and noted that the regulations would still need to be codified by the legislation in the Spring or later. **Chairman Nordquist** asked if these regulations are temporary. **Administrator Ghiglieri** said they would be implemented in 2027.
- Public Comment: None.

Motion to approve: Bob Felder

Seconded by: Randy Griffin

Unanimously approved

B. NAC 522

- Administrator Ghiglieri provided an overview of the regulation changes.
- Public Comment: **Robert Carrington** gave Public Comment on behalf of the Nevada Association of Land Surveyors about the NAC 522 proposed amendments.
- **Administrator Ghiglieri** proposed that the Division meet with Mr. Carrington regarding his public comment prior to approving the regulation changes. **Commissioner Potts** agreed with this. **Commissioner Bain** commented that a certified land surveyor is required with location issues; however, the data is usually collected by someone else and signed off by a certified surveyor in another state or location and that surveying technology has changed significantly.
- **Chairman Nordquist** stated that the Division will work with Mr. Carrington on his response to the proposed regulation changes and that the Commission will hold off on making changes to see if there are adjustments needed.

No action taken

IV. Agency Business

A. Lhoist Company Update

- Tobias Konzmann and Sage Maddox gave an update on Lhoist which can be found on the Division of Minerals website, commission meeting materials, E-packet: IV Agency Business – Exhibit A.
- **Commissioner Griffin** asked if the rollback of federal regulations on the use of coal will impact Lhoist's product sales. **Tobias Konzmann** said that it's too early to tell. **Commissioner Potts** asked how the development of the Apex Industrial Park is impacting Lhoist as a long-term tenant. **Tobias Konzmann**

- **Administrator Ghiglieri** gave an agency administrator report that we have a new website and stated that if anyone sees things that needs to be changed or updated, please let the agency know.
- **Peter Engh** gave an update on the Good Samaritan Act and communication with the EPA regarding the Division's efforts to fund closure of an abandoned mine through the act's funding. Administrator Ghiglieri believes the law may be interpreted in a way which may provide funding for this closure project.
- **Administrator Ghiglieri** stated he was appointed to the Governor's Fuel Resiliency Committee with a focus on the impact on the minerals industry. He is also on the executive director's search committee for Interstate Mining Compact Commission.
- **Administrator Ghiglieri** and **Dustin Holcomb** recently attended the Groundwater Protection Council's Underground Injection Control training and Division staff presented. He also presented at a workshop hosted by a company trying to repurpose mine waste.
- Division staff attended the American Mineral Exploration Roundup conference and will be attending the Society of Mining and Metallurgy and Engineering conference, the Prospectors and Developers Association of Canada conference, and will be meeting with lawmakers in Washington, DC.
- The Division is hosting the National Association of Abandoned Mine Lands Program (NAAML) winter business meeting at Lake Tahoe and has close to 20 different states and tribes attending.

V. Commission Business

A. Correspondence from the Commission

There was no correspondence for the commission.

B. Review of Staff Monthly Reports

There were no comments.

C. Future Meeting Agenda Items, Location, and Date

- Scheduled for May 14th, 2026 in the Reno/Carson area.

COMMENTS BY THE GENERAL PUBLIC

- No Public Comment

ADJOURNMENT

- The meeting adjourned at 2:55 PM.

NOTICE TO PERSONS WITH DISABILITIES

Members of the public who are disabled and require special accommodations or assistance at the meeting are requested to notify the Division of Minerals, 400 W. King Street, Suite 106, Carson City, NV 89703 or contact Rebecca Tims at (775) 684-7043 or by email at rtims@minerals.nv.gov.



JOE LOMBARDO
Governor

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ROBERT GHIGLIERI
Administrator

Wednesday, June 17, 2026

1:00 P.M.

MINUTES

Commission	Staff	Public
Josh Nordquist	Robert Ghiglieri	
Bob Potts	Rebecca Tims	
Nigel Bain	Dustin Holcomb	
Stephanie Hallinan	Alexa Ravencroft	
	Daniel Marlow	

CALL TO ORDER

1:00 PM by Chairman Josh Nordquist

Roll Call

All commissioners were present with the exception of Arthur Henderson, Randy Griffin, and Robert Felder.

COMMENTS BY THE GENERAL PUBLIC

- No Public Comment

I. Agenda

A. Approval of the Agenda

Motion to approve the agenda made by: Bob Potts

Seconded by: Nigel Bain

Unanimously approved

II. Intent to Adopt Regulations

A. NAC 522

Administrator Ghiglieri outlined the proposed changes to NAC 522 that updates technical references that pertain to oil and gas well drilling and completion and streamline, clarify, reduce or otherwise improve oil and gas regulations.

He stated there are no estimated immediate or long-term economic effects on regulated small businesses. The agency solicited comments on potential effects of the regulation by emailed survey to oil and gas producers within the state through public comment during a public workshop held on 8/26/2025 in Carson City, through public comment during a hearing held on 2/19/2026 in Las Vegas, and through public comment during a hearing held on 6/17/2026. The main changes were to update references to API specifications; the removal of a plat map prepared by a land surveyor licensed in Nevada; defining a ninety-day timeline for submission of any core or cuttings; the removal of notification of casing or casing material has been previously used in a hydraulic fracturing operation or in any other oil or gas well; and the removal of stipulations for gas and oil use under NAC 522.345.

Commissioner Potts asked if we have previously held meetings and taken public comment on this NAC. **Administrator Ghiglieri** says that we have.

Motion to approve the Adopted Regulation made by: Bob Potts
Seconded by: Stephanie Hallinan
Unanimously Approved

COMMENTS BY THE GENERAL PUBLIC

- No Public Comment

ADJOURNMENT

- The meeting adjourned at 1:18 PM.

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