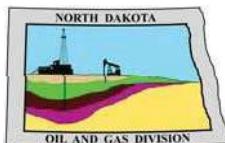


North Dakota Industrial Commission
North Dakota Department of Mineral Resources
North Dakota Oil & Gas Division

Nathan Anderson
Director



Mark Bohrer
Assistant Director

Abandoned Oil and Gas Well Plugging and
Site Reclamation Fund Program
(AWPSRF)

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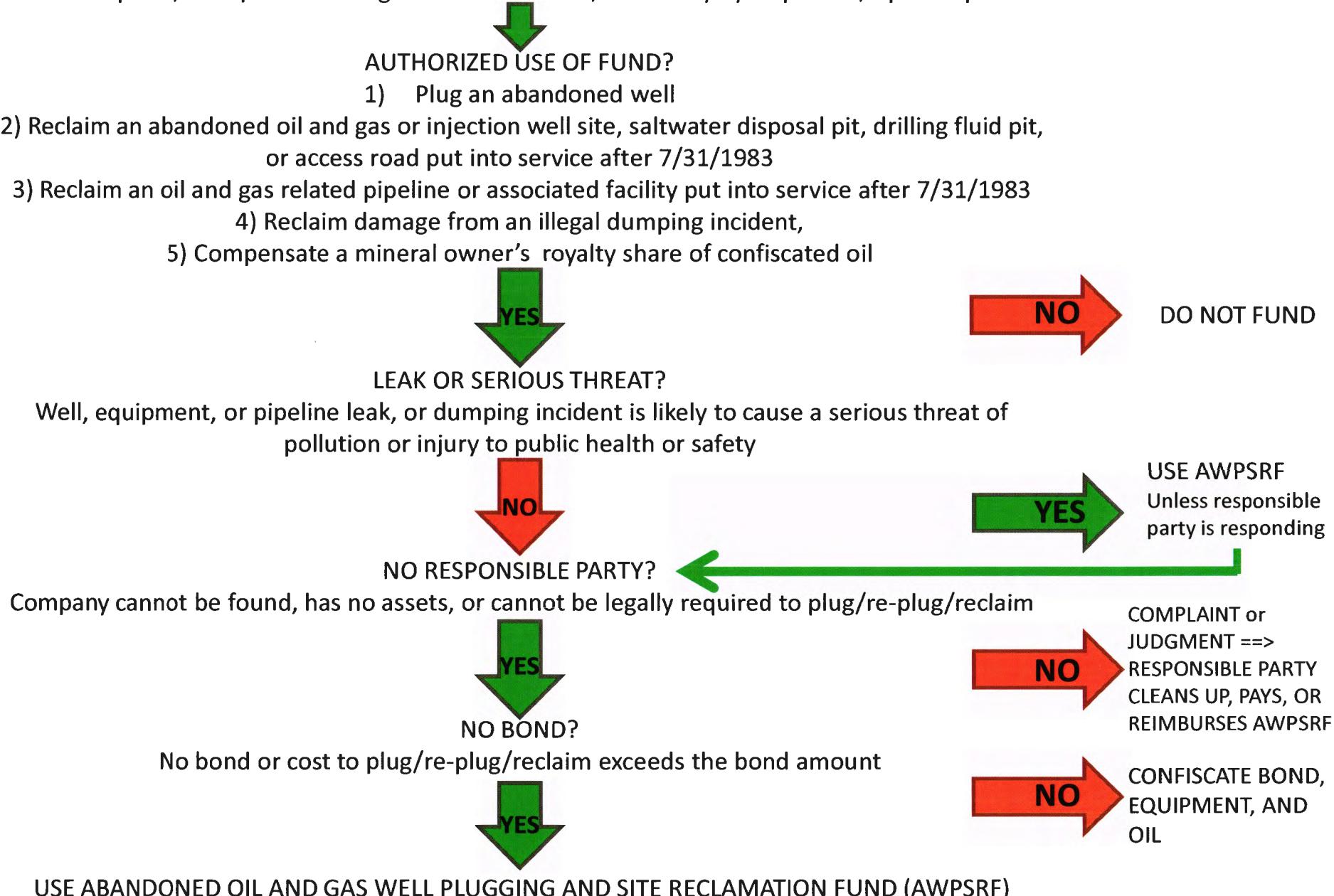
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Funds Request / Complaint Investigation 43-02-03-54 / Discovery by Inspector / Spill Response





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January 8, 2026

North Dakota Department of Mineral Resources
600 East Boulevard Avenue Dept. 405
Bismarck, North Dakota 58505

Attn: Mr. Cody VanderBusch
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Braaflat Borehole Sealings
Southwest of Plaza, Mountrail County, North Dakota
SWSE Section 2 T152N R89W; 48.007161°, -102.029305°
NWNE Section 12 T152N R89W; 48.006808°, -102.010903°

The North Dakota Industrial Commission (NDIC) contacted Terracon via email on December 15, 2025 about performing a site visit to a suspected old seismic hole from the 50s or 60s that is flowing water. The NDIC has requested that Terracon attempts to find and plug the old seismic holes.

Terracon Scope of Work

- Landowner contact
- Initial site visit
- Attempt plugging the old seismic holes
- Preparation and delivery of summary report describing field events

Corrective Action Process/Plugging

- Terracon would seal the abandoned boreholes in accordance with North Dakota Department of Environmental Quality (NDDEQ) water well abandonment guidelines outlined in Article 33-18 of the North Dakota Administrative Code (NDAC) by restoring, as far as possible, the geological conditions which existed before the boreholes were drilled.
- Each borehole would be made free of all loose material that could cause bridging during decommissioning by over-drilling using solid/hollow stem auger or air/mud rotary drilling techniques.
- The borehole will be filled with an appropriate plugging material to a depth not less than three feet below grade surface. Neat cement or a cement/bentonite mixture may be used throughout the entire length of the borehole. Grout will be injected at the bottom of the hole using a pressure grouting technique or gravity-fed with a tremie' pipe forcing grout and fluids present upwards. This will be done in one continuous operation in such a fashion as to prevent voids or air pockets from forming; side-discharge tremie' pipe will be placed in the hole and slowly pulled up as the grout reaches the bottom of the tremie' pipe. Concrete or topsoil will be used as a cap for the remainder of the borehole to the surface. If Terracon's efforts to grout the borehole from the bottom up are unsuccessful due to flowing water, Terracon will reverse drill bentonite pellets packing the borehole in efforts to seal it.

Skylar Kjos
Senior Staff Scientist/Project Manager

Jon B. Ellingson, PG, CPG
Principal/Authorized Project Reviewer



