

Record locator for *EnergyWire* spill database published July 21, 2016:

Below is a guide to the data in each column of the spill database, by column name:

State: Indicates the state where the spill occurred. See below for the state agency that provided the data.

County: Where the spill took place, if provided by the state.

City: Where the spill took place, if provided by the state.

Company: The owner of the well where the spill occurred or the entity state officials consider to be the responsible party.

API Number: Widely used identifying number for oil and gas wells. Provided where available. Where possible, the number was standardized to be a 10-digit number including the numbers for state, county, and individual well number.

FacilityName: Where provided by the state. Well sites are often named after the surface landowner.

Date: Usually the date the spill occurred or was discovered. In some cases, it reflects when the spill was reported to state authorities.

Material Spilled: Different states use different terms for drilling wastewater, including “salt water” and “produced water.”

Amount Spilled: Where provided by the state. If more than one material was spilled, the volume is combined.

Unit: Barrels, gallons, mcf, pounds, etc.

Amount Recovered: Where available.

Was Water Affected?: Depending on how the state reports the data, the column could indicate “Yes,” or “No” or name the type or body of water. Not every state provides such information.

Cause: Most states do not provide this. Those that do vary from long descriptions to one- or two-word statements.

Latitude: Where available.

Longitude: Where available.

Contained: Where available. Indicates whether the material spilled was contained onsite.

Notes: These are the verbatim comments of inspectors or other state personnel responding to the spill, contained in records provided by the state. They are not notes or comments of *EnergyWire* or E&E Publishing.

Alabama: National Response Center <http://www.nrc.uscg.mil/>

Alaska: Alaska Department of Environmental Conservation, provided after request

Arkansas: National Response Center <http://www.nrc.uscg.mil/>

California: California Department of Fish and Wildlife, Office of Spill Prevention and Response
<https://w3.calema.ca.gov/operational/mal haz.nsf>

Colorado: Colorado Oil and Gas Conservation Commission

Kansas: Kansas Corporation Commission, provided after request

Louisiana: National Response Center <http://www.nrc.uscg.mil/>

New Mexico: New Mexico Energy, Minerals and Natural Resources Department,
<https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/Incidents/Spills.aspx>

Mississippi: National Response Center <http://www.nrc.uscg.mil/>

Montana: Montana Department of Environmental Quality, provided after request

North Dakota: North Dakota Department of Mineral Resources, purchased by *EnergyWire*

Ohio: Ohio Environmental Protection Agency, provided after request

Oklahoma: Oklahoma Corporation Commission, provided after request

Pennsylvania: Pennsylvania Department of Environmental Protection, raw number provided after request

Texas: Texas Railroad Commission, open records request for data from each district. Data for District 9 came from: <http://www.rrc.state.tx.us/oil-gas/compliance-enforcement/h-8/>

Utah: Division of Oil, Gas and Mining, provided after request

West Virginia: West Virginia Department of Environmental Protection, provided after request

Wyoming: Wyoming Oil and Gas Conservation Commission, provided after request