

NOTICE TO OPERATORS

Oklahoma Administrative Code (OAC) 165:10-3-10(b)(2) provides for notice of hydraulic fracturing operations:

Information regarding submission of the Hydraulic Fracturing Notice Form (Form) by electronic mail is as follows:

1. The Form is available on the Oklahoma Corporation Commission's website at www.occeweb.com under the Oil and Gas Downloadable Forms section which can be accessed by using the Divisions\Oil & Gas\Forms tabs or at <http://www.occeweb.com/og/ogforms.html>.
2. The Form is labeled "FNFEE.xls."
3. Download and complete the Form.
4. Click the email address on the Form for the appropriate Oil and Gas Conservation Division District Office.
5. Label the Form with the well name and email the completed Form as an Excel file to the appropriate Oil and Gas Conservation Division District Office.

Recent events in Oklahoma have indicated that although very slight, there is a potential risk of hydraulic fracturing operations triggering seismic activity. In order to address these issues, the Commission's Oil and Gas Conservation Division seismicity team is now monitoring seismic activity which occurs in close proximity to ongoing hydraulic fracturing operations.

Operators are advised to have mitigation plans in place in the event seismic activity does occur.

Contact either Charles Lord at 405-522-2751 or c.lord@occemail.com or Jim Marlatt at 405-522-2758 or j.marlatt@occemail.com of the Oil and Gas Conservation Division regarding mitigation procedures.

OGCD_v_20161223

Oil and Gas Conservation Division (OGCD)

Action following anomalous seismic activity apparently not related to injection into the Arbuckle formation:

- If magnitude, as determined by the OGS, is greater than or equal to (\geq) 2.5M
 - OGCD review presence of completion operation, based on 48-hour FracNotice submissions, within a two (2) km radius of located seismic events
 - OGCD staff contact, via phone, designated representative for the operator with active completion operations within a two (2) km radius of located seismic events
 - Discussion occurs between OGCD and operator about OGCD awareness of anomalous seismic activity within two (2) km radius.
 - Implementation of the operator internal mitigation practices commences and
 - operator continues operation

- If magnitude \geq 3.0M
 - Operator initiates a hard pause of stimulation operations for no less than 6 hours.
 - Technical conference/call held between the OGCD staff and operator about operator mitigation practices
 - Upon agreement between operator and OGCD regarding mitigation practices and reduced seismic activity, operator permitted to resume revised or preapproved completion procedure.

- If magnitude \geq 3.5M
 - Operator suspends stimulation operations
 - Technical conference held within 48 hours between the OGCD staff and operator about operator revisions to previous mitigation practices
 - Upon agreement between operator and OGCD regarding additional mitigation practices and reduced seismic activity, operator permitted to implement revised completion procedure