



Rep. David Reis

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09700HB2808ham001

LRB097 02883 CEL 53667 a

1 AMENDMENT TO HOUSE BILL 2808

2 AMENDMENT NO. _____. Amend House Bill 2808 by replacing
3 everything after the enacting clause with the following:

4 "Section 5. The Illinois Oil and Gas Act is amended by
5 adding Section 6.5 as follows:

6 (225 ILCS 725/6.5 new)

7 Sec. 6.5. Extraction of natural gas from shale using
8 hydraulic fracturing.

9 (a) Each owner or operator that begins extracting natural
10 gas from shale shall report to the Department the information
11 specified in subsections (b), (c), and (d) within 30 days after
12 hydraulic fracturing stimulation. The Director shall adopt
13 rules that require, prior to such hydraulic fracturing, the
14 owner or operator to perform a suitable mechanical integrity
15 test of the casing or of the casing-tubing annulus or other
16 mechanical integrity test methods using procedures that are

1 established by administrative rule.

2 (b) The owner or operator shall provide geological names, a
3 geological description, and the depth of the formation into
4 which well stimulation fluids were injected.

5 (c) The owner or operator shall provide detailed
6 information to the Director concerning the base stimulation
7 fluid source. The owner, operator, or service company shall
8 also provide to the Director, for each stage of the well
9 stimulation program, the following:

10 (1) each stimulation fluid identified by additive
11 type; and

12 (2) the chemical compound name and Chemical Abstracts
13 Service (CAS) number for each additive used.

14 (d) The owner or operator shall also provide a detailed
15 description of the well stimulation design, which shall
16 include:

17 (1) the surface treating pressure range;

18 (2) the maximum injection treating pressure; and

19 (3) the estimated or calculated fracture length and
20 fracture height.

21 (e) The Department shall post the information that it
22 receives under subsections (b), (c), and (d) on its Internet
23 website for a period of not less than 5 years.

24 (f) The injection of volatile organic compounds, such as
25 benzene, toluene, ethylbenzene, and xylene, also known as BTEX
26 compounds, or any petroleum distillates, into an underground

1 source of drinking water is prohibited without exception. The
2 proposed use of volatile organic compounds, such as benzene,
3 toluene, ethylbenzene, and xylene, also known as BTEX
4 compounds, or any petroleum distillates, for shale gas
5 extraction using hydraulic fracturing into hydrocarbon bearing
6 zones is only authorized with prior written approval of the
7 Director. Produced water containing trace amounts of naturally
8 occurring petroleum distillates may be used as a stimulation
9 fluid in hydrocarbon-bearing zones. Criteria for the
10 authorization shall be established by the Department by rule.

11 (g) In addition to any other information that it must
12 provide, the owner, operator, or service company shall provide
13 the Director the following post well stimulation detail:

14 (1) the actual total well stimulation treatment volume
15 pumped;

16 (2) detail as to each fluid stage pumped, including
17 actual volume by fluid stage, proppant rate or
18 concentration, actual chemical additive name and type;

19 (3) the actual surface pressure and rate at the end of
20 each fluid stage and the actual flush volume, rate, and
21 final pump pressure; and

22 (4) the instantaneous shut-in pressure, and the actual
23 15-minute and 30-minute shut-in pressures when these
24 pressure measurements are available.

25 (h) During the well stimulation operation, the owner or
26 operator shall monitor and record the annulus pressure at the

1 bradenhead. If intermediate casing has been set on the well
2 being stimulated, then the pressure in the annulus between the
3 intermediate casing and the production casing shall also be
4 monitored and recorded. A continuous record of the annulus
5 pressure during the well stimulation shall be submitted.

6 (i) If, during the stimulation, the annulus pressure
7 increases by more than 500 pounds per square inch gauge (psig)
8 compared to the pressure immediately preceding the
9 stimulation, then the owner or operator shall verbally notify
10 the Director as soon as practical but no later than 24 hours
11 following the incident and must complete in a timely manner any
12 corrective action identified by the Department. The owner or
13 operator shall include a report containing all details
14 pertaining to the incident, including corrective actions
15 taken.

16 (j) The owner or operator shall provide information to the
17 Director as to the amounts, handling, and, if necessary,
18 disposal at an identified appropriate disposal facility, or
19 reuse of the well stimulation fluid load recovered during flow
20 back, swabbing, or recovery from production facility vessels.
21 Storage of that fluid shall be protective of an underground
22 source of drinking water as demonstrated by the use of either
23 tanks or lined pits.

24 (k) Nothing in this Section shall be construed to allow the
25 Director to require the disclosure of trade secrets as defined
26 in the Illinois Trade Secrets Act.

1 (l) The Department shall adopt all rules necessary to
2 enforce this Section.

3 (m) This Section applies only to the extraction of natural
4 gas from shale."