

C**Effective:[See Text Amendments]**

Code of Federal Regulations Currentness

Title 30. Mineral Resources

Chapter II. Bureau of Ocean Energy Management, Regulation, and Enforcement, Department of the Interior (Refs & Annos)

Subchapter B. Offshore

Part 250. Oil and Gas and Sulphur Operations in the Outer Continental Shelf (Refs & Annos)

■ Subpart D. Oil and Gas Drilling Operations (Refs & Annos)

■ Applying for a Permit to Drill

→ § 250.413 What must my description of well drilling design criteria address?

Your description of well drilling design criteria must address:

(a) Pore pressures;

(b) Formation fracture gradients, adjusted for water depth;

(c) Potential lost circulation zones;

(d) Drilling fluid weights;

(e) Casing setting depths;

(f) Maximum anticipated surface pressures. For this section, maximum anticipated surface pressures are the pressures that you reasonably expect to be exerted upon a casing string and its related wellhead equipment. In calculating maximum anticipated surface pressures, you must consider: drilling, com-

pletion, and producing conditions; drilling fluid densities to be used below various casing strings; fracture gradients of the exposed formations; casing setting depths; total well depth; formation fluid types; safety margins; and other pertinent conditions. You must include the calculations used to determine the pressures for the drilling and the completion phases, including the anticipated surface pressure used for designing the production string;

(g) A single plot containing estimated pore pressures, formation fracture gradients, proposed drilling fluid weights, and casing setting depths in true vertical measurements;

(h) A summary report of the shallow hazards site survey that describes the geological and manmade conditions if not previously submitted; and

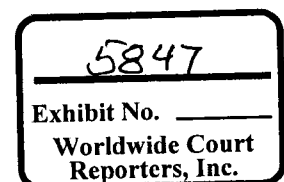
(i) Permafrost zones, if applicable.

[63 FR 29479, May 29, 1998; 64 FR 9065, Feb. 24, 1999]

<Chapter heading amended by 75 FR 61066, retroactively effective Oct. 1, 2010.>

SOURCE: 53 FR 10690, April 1, 1988; 59 FR 53093, Oct. 21, 1994; 62 FR 27954, May 22, 1997; 63 FR 29479, May 29, 1998; 68 FR 8423, Feb. 20, 2003; 70 FR 49875, Aug. 25, 2005; 73 FR 20168, April 15, 2008; 73 FR 20171, April 15, 2008; 75 FR 61066, Oct. 4, 2010; 76 FR 38557, July 1, 2011, unless otherwise noted.

AUTHORITY: 30 U.S.C. 1751; 31 U.S.C. 9701; 43 U.S.C. 1334.



30 C. F. R. § 250.413, 30 CFR § 250.413

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