

§ 3261.12

(3) A complete drilling program (43 CFR 3261.13); and

(4) An acceptable bond (43 CFR 3261.18).

(b) Do not start any drilling operations until we have approved the permit.

§ 3261.12 What is an operations plan?

An operations plan describes how you will drill for and test the geothermal resources covered by your lease. Your plan must tell BLM enough about your proposal to allow us to assess the environmental impacts of your operations. This information should generally include:

- (a) Well pad layout and design;
- (b) A description of existing and planned access roads;
- (c) A description of any ancillary facilities;
- (d) The source of drill pad and road building material;
- (e) The water source;
- (f) A statement describing surface ownership;
- (g) Plans for surface reclamation;
- (h) A description of procedures to protect the environment and other resources; and
- (i) Any other information we may require.

§ 3261.13 What is a drilling program?

A drilling program describes all the operational aspects of your proposal to drill, complete and test a well. Send us:

- (a) A detailed description of the equipment, materials, and procedures you will use;
- (b) The proposed/anticipated depth of the well;
- (c) If you plan to directionally drill your well, also send us:
 - (1) The proposed bottom hole location and distances from the nearest section or tract lines;
 - (2) The kick-off point;
 - (3) The direction of deviation;
 - (4) The angle of build-up and maximum angle; and
 - (5) Plan and cross section maps indicating the surface and bottom hole locations;
- (d) The casing and cementing program;
- (e) The circulation media (mud, air, foam, etc.);

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(f) A description of the logs that you will run;

(g) A description and diagram of the blowout prevention equipment you will use during each phase of drilling;

(h) The expected depth and thickness of fresh water zones;

(i) Anticipated lost circulation zones;

(j) Anticipated reservoir temperature and pressure;

(k) Anticipated temperature gradient in the area;

(l) A plat certified by a licensed surveyor showing the surveyed surface location and distances from the nearest section or tract lines;

(m) Procedures and durations of well testing; and

(n) Any other information we may require.

§ 3261.14 When must I give BLM my operations plan?

Send us a complete operations plan before you begin any surface disturbance on a lease. You do not need to submit an operations plan for subsequent well operations or altering existing production equipment, unless these activities will cause more surface disturbance or we notify you that you must submit an operations plan. Do not start any activities which will result in surface disturbance until we approve your permit or sundry notice.

§ 3261.15 Must I give BLM my drilling permit application, drilling program and operations plan at the same time?

No, you may submit your complete and signed drilling permit application and complete drilling program and operations plan either together or separately.

(a) If you submit them together and we approve your drilling permit, the approved drilling permit will authorize both the pad construction and the drilling and testing of the well.

(b) If you submit the operations plan separately from the drilling permit and program, you must:

(1) Submit the operations plan before the drilling permit application and drilling program to allow BLM time to comply with NEPA; and

(2) Submit a complete and signed sundry notice for well pad and access