

## Bureau of Land Management, Interior

## § 3263.14

### § 3262.13 May BLM require me to follow a well spacing program?

Yes, if we determine that it is necessary for proper development. If we require well spacing, we will consider the following factors when we set well spacing:

- (a) Hydrologic, geologic, and reservoir characteristics of the field minimizing well interference;
- (b) Topography;
- (c) Interference with multiple use of land; and
- (d) Environmental protection, including ground water.

### § 3262.14 May BLM require me to take samples or perform tests and surveys?

(a) Yes, we may require you to take samples or to test or survey the well to determine:

- (1) The well's mechanical integrity;
- (2) The identity and characteristics of formations, fluids or gases;
- (3) Presence of geothermal resources, water, or reservoir energy;
- (4) Quality and quantity of geothermal resources;
- (5) Well bore angle and direction of deviation;
- (6) Formation, casing, or tubing pressures;
- (7) Temperatures;
- (8) Rate of heat or fluid flow; and
- (9) Any other necessary well information.

(b) See 3264.11 for information reporting requirements.

## Subpart 3263—Well Abandonment

### § 3263.10 May I abandon a well without BLM's approval?

No, you must have an approved sundry notice which documents your plugging and abandonment program before you start abandoning any well. You must also notify the local BLM office before you begin abandonment, so we may witness the work. Contact your local BLM office before starting to abandon your well to find out what notification we need.

### § 3263.11 What must I give BLM to approve my sundry notice for abandoning a well?

Send us a sundry notice with:

(a) All the information required in the well completion report (see 43 CFR 3264.10), unless we already have that information;

(b) A detailed description of the proposed work, including:

- (1) Type, depth, length, and interval of plugs;
  - (2) Methods you will use to verify the plugs (tagging, pressure testing, etc.);
  - (3) Weight and viscosity of mud that you will use in the uncemented portions;
  - (4) Perforating or removing casing; and
  - (5) Restoring the surface; and
- (c) Any other information that we may require.

### § 3263.12 How will BLM review my sundry notice to abandon my well and notify me of their decision?

(a) When we receive your sundry notice, we will make sure it is complete and review it for compliance with the requirements of 43 CFR 3200.4. We will notify you if we need more information or require additional procedures. If we need any further information to complete our review, we will contact you in writing and suspend our review until we receive the information. If we approve your sundry notice, we will send you an approved copy once our review is complete. Do not start abandonment of the well until we approve your sundry notice.

(b) We may verbally approve plugging procedures for a well which requires immediate action. If we do, you must submit the information required in 43 CFR 3263.11 within 48 hours after we give verbal approval.

### § 3263.13 What must I do to restore the site?

You must remove all equipment and materials and restore the site to BLM's satisfaction.

### § 3263.14 May BLM require me to abandon a well?

Yes, if we determine your well is no longer needed for geothermal resource production, injection, or monitoring, or if we determine that the well is not mechanically sound. In either case, if you disagree you may explain to us why the well should not be abandoned.

## § 3263.15

We will consider your reasons before we issue any final order.

### § 3263.15 May I abandon a producible well?

Only if you receive BLM's approval. To abandon a producing well, send us the information listed in 43 CFR 3263.11. We may also require you to explain why you want to abandon the well. We may deny your request if we determine the well is needed to protect a Federal lease from drainage, or to protect the environment or other resources of the United States.

## Subpart 3264—Reports—Drilling Operations

### § 3264.10 What must I give BLM after I complete a well?

You must submit a geothermal well completion report, form 3260-4, within 30 days after you complete a well. Your report must include the following:

- (a) A complete, chronological well history;
- (b) A copy of all logs;
- (c) Copies of all directional surveys; and
- (d) Copies of all mechanical, flow, reservoir, and other test data.

### § 3264.11 What must I give BLM after I finish subsequent well operations?

(a) Send us a subsequent well operations report within 30 days after completing operations. At a minimum, this report must include:

- (1) A complete, chronological history of the work done;
- (2) A copy of all logs;
- (3) Copies of all directional surveys;
- (4) All samples, tests or surveys we require you to make (see § 3262.14);
- (4) Copies of all mechanical, flow, reservoir, and other test data; and
- (5) A statement of whether you achieved your goals. For example, if the well was acidized to increase production, state whether the production rate increased when you put the well back on line.

(b) We may waive this reporting requirement for work we determine is routine such as cleanouts, surveys, or general maintenance. To request a waiver, contact BLM. If you do not

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have a waiver, you must submit the report.

### § 3264.12 What must I give BLM after I abandon a well?

Send us a well abandonment report within 30 days after you abandon a well. If you plan to restore the site at a later date, you may submit a separate report within 30 days after completing site restoration. The well abandonment report must contain:

- (a) A complete chronology of all work done;
- (b) A description of each plug, including:
  - (1) Amount of cement used;
  - (2) Type of cement used;
  - (3) Depth that the drill pipe or tubing was run to set the plug;
  - (4) Depth to top of plug; and
  - (5) If the plug was verified, whether it was done by tagging or pressure testing; and
- (c) A description of surface restoration procedures.

### § 3264.13 What drilling and operational records must I maintain for each well?

You must keep the following information for each well and make it available for BLM to inspect it:

- (a) A complete and accurate drilling log, in chronological order;
- (b) All logs;
- (c) Water or steam analyses;
- (d) Hydrologic or heat flow tests;
- (e) Directional surveys;
- (f) A complete log of all subsequent well operations such as cementing, perforating, acidizing, and well cleanouts; and
- (g) Any other information regarding the well that could affect its status.

### § 3264.14 Must I notify BLM of accidents occurring on my lease?

Yes, you must verbally inform us of all accidents that affect operations or create environmental hazards within 24 hours of the accident. When you contact us, we may require you to submit a report fully describing the incident.