

vertical; and to determine the relevant characteristics of the oil and gas reservoirs penetrated.

(b) After the well has been completed, the operator shall conduct periodic well tests which will demonstrate the quantity and quality of oil and gas and water. The method and frequency of such well tests will be specified in appropriate notices and orders. When needed, the operator shall conduct reasonable tests which will demonstrate the mechanical integrity of the downhole equipment.

(c) Results of samples, tests, and surveys approved or prescribed under this section shall be provided to the authorized officer without cost to the lessor.

[47 FR 47765, Oct. 27, 1982. Redesignated and amended at 48 FR 36583-36586, Aug. 12, 1983, further amended at 53 FR 17363, May 16, 1988]

§ 3162.4-3 Monthly report of operations (Form 3160-6).

The operator shall report production data to BLM in accordance with the requirements of this section until required to begin reporting to MMS pursuant to 30 CFR 216.50. When reporting production data to BLM in accordance with the requirements of this section, the operator shall either use Form BLM 3160-6 or Form MMS-3160. A separate report of operations for each lease shall be made on Form 3160-6 for each calendar month, beginning with the month in which drilling operations are initiated, and shall be filed with the authorized officer on or before the 10th day of the second month following the operation month, unless an extension of time for the filing of such report is granted by the authorized officer. The report on this form shall disclose accurately all operations conducted on each well during each month, the status of operations on the last day of the month, and a general summary of the status of operations on the leased lands, and the report shall be submitted each month until the lease is terminated or until omission of the report is authorized by the authorized officer. It is particularly necessary that the report shall show for each calendar month:

(a) The lease be identified by inserting the name of the United States land office and the serial number, or in the

case of Indian land, the lease number and lessor's name, in the space provided in the upper right corner;

(b) Each well be listed separately by number, its location be given by 40-acre subdivision ($\frac{1}{4}$ $\frac{1}{4}$ sec. or lot), section number, township, range, and meridian;

(c) The number of days each well produced, whether oil or gas, and the number of days each input well was in operation be stated;

(d) The quantity of oil, gas and water produced, the total amount of gasoline, and other lease products recovered, and other required information. When oil and gas, or oil, gas and gasoline, or other hydrocarbons are concurrently produced from the same lease, separate reports on this form should be submitted for oil and for gas and gasoline, unless otherwise authorized or directed by the authorized officer.

(e) The depth of each active or suspended well, and the name, character, and depth of each formation drilled during the month, the date each such depth was reached, the date and reason for every shut-down, the names and depths of important formation changes and contents of formations, the amount and size of any casing run since last report, the dates and results of any tests such as production, water shut-off, or gasoline content, and any other noteworthy information on operations not specifically provided for in the form.

(f) The footnote shall be completely filled out as required by the authorized officer. If no runs or sales were made during the calendar month, the report shall so state.

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§ 3162.5 Environment and safety.

§ 3162.5-1 Environmental obligations.

(a) The operator shall conduct operations in a manner which protects the mineral resources, other natural resources, and environmental quality. In that respect, the operator shall comply with the pertinent orders of the authorized officer and other standards

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and procedures as set forth in the applicable laws, regulations, lease terms and conditions, and the approved drilling plan or subsequent operations plan. Before approving any Application for Permit to Drill submitted pursuant to § 3162.3-1 of this title, or other plan requiring environmental review, the authorized officer shall prepare an environmental record of review or an environmental assessment, as appropriate. These environmental documents will be used in determining whether or not an environmental impact statement is required and in determining any appropriate terms and conditions of approval of the submitted plan.

(b) The operator shall exercise due care and diligence to assure that leasehold operations do not result in undue damage to surface or subsurface resources or surface improvements. All produced water must be disposed of by injection into the subsurface, by approved pits, or by other methods which have been approved by the authorized officer. Upon the conclusion of operations, the operator shall reclaim the disturbed surface in a manner approved or reasonably prescribed by the authorized officer.

(c) All spills or leakages of oil, gas, produced water, toxic liquids, or waste materials, blowouts, fires, personal injuries, and fatalities shall be reported by the operator in accordance with these regulations and as prescribed in applicable order or notices. The operator shall exercise due diligence in taking necessary measures, subject to approval by the authorized officer, to control and remove pollutants and to extinguish fires. An operator's compliance with the requirements of the regulations in this part shall not relieve the operator of the obligation to comply with other applicable laws and regulations.

(d) When reasonably required by the authorized officer, a contingency plan shall be submitted describing procedures to be implemented to protect life, property, and the environment.

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(e) The operator's liability for damages to third parties shall be governed by applicable law.

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§ 3162.5-2 Control of wells.

(a) *Drilling wells.* The operator shall take all necessary precautions to keep each well under control at all times, and shall utilize and maintain materials and equipment necessary to insure the safety of operating conditions and procedures.

(b) *Vertical drilling.* The operator shall conduct drilling operations in a manner so that the completed well does not deviate significantly from the vertical without the prior written approval of the authorized officer. Significant deviation means a projected deviation of the well bore from the vertical of 10° or more, or a projected bottom hole location which could be less than 200 feet from the spacing unit or lease boundary. Any well which deviates more than 10° from the vertical or could result in a bottom hole location less than 200 feet from the spacing unit or lease boundary without prior written approval must be promptly reported to the authorized officer. In these cases, a directional survey is required.

(c) *High pressure or loss of circulation.* The operator shall take immediate steps and utilize necessary resources to maintain or restore control of any well in which the pressure equilibrium has become unbalanced.

(d) *Protection of fresh water and other minerals.* The operator shall isolate freshwater-bearing and other usable water containing 5,000 ppm or less of dissolved solids and other mineral-bearing formations and protect them from contamination. Tests and surveys of the effectiveness of such measures shall be conducted by the operator using procedures and practices approved or prescribed by the authorized officer.

[47 FR 47765, Oct. 27, 1982. Redesignated and amended at 48 FR 36583-36586, Aug. 12, 1983, further amended at 53 FR 17363, May 16, 1988]