

# New Mexico Energy, Minerals and Natural Resources Department

**Bill Richardson**  
Governor

**Joanna Prukop**  
Cabinet Secretary  
**Reese Fullerton**  
Deputy Cabinet Secretary

**Mark Fesmire**  
Division Director  
Oil Conservation Division



July 30, 2008

Ms. Ocean Munds-Dry  
Holland & Hart, LLP  
P.O. Box 2208  
Santa Fe, NM 87504

**AUG - 6 2008**  
**OCD-ARTESIA**

**Administrative Order NSL-5888**

**Re: Chesapeake Operating, Inc.**  
**Mosaic 34 Federal Well No. 3H**  
**API No. 30-015-36001**  
**Section 34-24S-28E**  
**Eddy County**

Dear Ms. Munds-Dry:

Reference is made to the following:

(a) your application (**administrative application reference No. pKVR08-18534499**) submitted to the New Mexico Oil Conservation Division (the Division) in Santa Fe, New Mexico, on behalf of Chesapeake Operating, Inc. (Chesapeake), on July 1, 2008, and

(b) the Division's records pertinent to this request.

Chesapeake has requested to drill the above-referenced well as a horizontal well in the Delaware formation, at a location that will be unorthodox under Division Rule 111. The proposed surface location, point of penetration and terminus of the well are as follows:

Surface Location: 1670 feet from the South line and 25 feet from the East line  
(Unit I) of Section 34, Township 24S, Range 28E, NMPM  
Eddy County, New Mexico

Point of Penetration: Same as Surface Location

Terminus 1670 feet from the South line and 350 feet from the West line  
(Unit L) of said Section 34.



The N/2 S/2 of Section 34 will be dedicated to the proposed well to form a project area comprising four standard 40-acre spacing units in the undesignated Southwest Willow Lake-Delaware Pool (96855). This pool is governed by statewide Rule 104.B(1), which provides for 40-acre units, with wells located at least 330 feet from a unit outer boundary. This location is unorthodox because a portion of the producing interval will be less than 330 feet from the eastern boundary of the project area, and therefore outside the producing area.

Your application has been duly filed under the provisions of Division Rules 104.F and 1210.A(2).

It is our understanding that you are seeking this location for engineering reasons, in order to achieve maximum penetration of the target zone in the lateral portion of the wellbore.

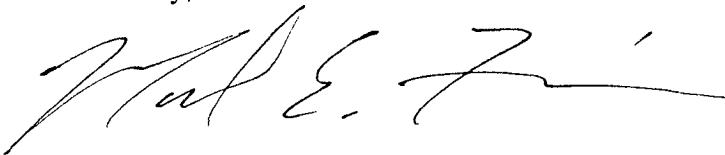
It is also understood that you have given due notice of this application to all operators or owners who are "affected persons," as defined in Rule 1210.A(2), in all adjoining units towards which the proposed location encroaches.

Pursuant to the authority conferred by Division Rule 104.F(2), the above-described unorthodox location is hereby approved.

This approval is subject to your being in compliance with all other applicable Division rules, including, but not limited to Division Rule 40.

Jurisdiction of this case is retained for the entry of such further orders as the Division may deem necessary.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mark E. Fesmire', with a stylized flourish at the end.

Mark E. Fesmire, P.E.  
Director

MEF/db

cc: New Mexico Oil Conservation Division - Artesia  
United States Bureau of Land Management - Carlsbad