



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

December 11, 2006

Division Order No. IPI-275

Chesapeake Operating, Inc.
2010 Rankin Highway
Midland, Texas 79701

Attention: Ms. Shay Stricklin

**RE: *Injection Pressure Increase
Littlefield Federal SWD Well No. 1
Eddy County, New Mexico***

Dear Ms. Stricklin:

Reference is made to your request received by the Division on December 6, 2006, to increase the surface injection pressure on the Littlefield Federal SWD Well No. 1. This request is based on a step rate test conducted on the well on October 26, 2006. The results of the step rate test show that an increase in the surface injection pressure for this well is justified and will not result in the fracturing of the injection formation and confining strata.

You are therefore authorized to increase the surface injection pressure on the following well:

| WELL NAME & NUMBER | MAXIMUM SURFACE INJECTION PRESSURE |
|---|---|
| Littlefield Federal SWD Well No. 1 API No. 30-015-10259 Unit B, Section 11, T-24 South, R-31 East, NMPM, Eddy County, New Mexico | 2000 PSIG |

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected fluid is not being confined to the injection zone or is endangering any fresh water aquifers.

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Sincerely,



Mark E. Fesmire, P.E.
Division Director

cc: Oil Conservation Division - Artesia
File: SWD-485