

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



ACCEPTED FOR RECORD

Administrative Order IPI-305
September 26, 2008

Randy Hogan
Cimarex Energy Company
600 N. Marienfeld Street
Suite 600
Midland, TX 79701

OCT 8 2008

Gerry Guye, Deputy Field Inspector
NMOCD-District II ARTESIA

OCT 08 2008

OCD-ARTESIA

RE: Injection Pressure Increase
Wersell Federal Well No. 2
Unit D, Sec 4, T22S, R27E
Eddy County, New Mexico
SWD-301, Delaware Injection 2,832 – 3,794

Reference is made to your request received by the Division on September 25, 2008, to increase the surface injection pressure on the Wersell Federal Well No. 2. This well was approved by the Division for injection in SWD-301. It is our understanding that this well will not take a sufficient volume of water at the present pressure limit and a higher pressure limit is needed for water disposal operations.

This request is based on a step rate test conducted on February 28, 2008. The results of the step rate test show that an increase in the surface injection pressure 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, API, and Location	Maximum Permitted Surface Injection Pressure
Wersell Federal Well No. 2 API No. 30-015-24845 Unit D, Sec 4, T22S, R27E	900 PSIG into 2-3/8" Tubing

The operator is responsible for ensuring injected waters do not migrate upward inside or outside of the casing and enter formations above the permitted injection interval.



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 protectable water aquifers.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mark E. Fesmire', with a long, sweeping horizontal line extending to the right.

2 Mark E. Fesmire, P.E.
Division Director

cc: Oil Conservation Division - Artesia
File: SWD-301