



New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Jim Noel
Cabinet Secretary

Karen W. Garcia
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



Administrative Order IPI-383
November 18, 2010

Resaca Operating Company
2600 W Interstate 20
Odessa, TX 79763

Attention: Mr. Keith B. Masters (Agent)

RE: Injection Pressure Increase Request

Cooper Jal Unit Well No. 134 API No. 30-025-09644
Division Order R-4019, R-4020, and WFX-657
Cooper Jal Unit Waterflood Project
Langlie-Mattix and Jalmat Pools
Lea County, New Mexico

Reference is made to your request on behalf of Resaca Operating Company (OGRID 263848) received by the Division October 20, 2010, to increase the surface injection pressure limit on the Cooper Jal Unit Well No. 134.

Administrative Order No. WFX-657 approved in part on February 21, 1994, permitted Well No. 134 for injection into the interval from 3,031 to 3,570 feet and allowed a maximum surface injection pressure of 606 psi. It is our understanding that this well will not take a sufficient volume of water at this pressure limit and a higher pressure limit is needed to optimize waterflood operations within this unit.

The basis for granting this pressure increase is the Gray Wireline step rate test run by Resaca on September 27, 2010. 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 hereby authorized to utilize up to the following maximum surface injection pressure on the well provided the tubing, size, type and setting depths do not change.

API	CJU Well #	Unit	S-T-R	Injection Interval	Tubing	Pressure
30-025-09644	134	N	24-24S-36E	3031-3570	2.375	830

This approval is subject to your being in compliance with all other Division rules, including but not limited to Division Rule 5.9.

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, or is causing waste of oil and gas.

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Sincerely,



Mark E. Fesmire, P.E.
Acting Director

MEF/tw

cc: Oil Conservation Division - Hobbs
File: R-4019 & R-4020