



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Mark E. Fesmire, P.E.**

Director

**Oil Conservation Division**

October 5, 2007

Administrative Order IPI-285

Devon Energy Corporation  
20 North Broadway  
Oklahoma City, OK 73102-8260

Attention: Norvella Adams

**OCT 15 2007**

**OCD-ARTESIA**

**RE: Injection Pressure Increase Request**

West Red Lake Unit Well No. 8 (API No. 30-015-00806)  
Unit G, Section 7, Township 18 South, Range 27 East, NMPM  
Red Lake; Queen Grayburg San Andres Pool (51300)  
Perforations: 1,084 feet to 1,764 feet  
Eddy County, New Mexico

Reference is made to your request dated September 7, 2007, to increase the surface injection pressure on the above named injection well.

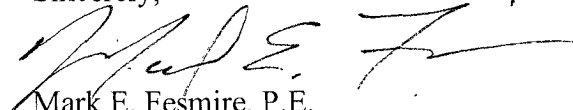
Administrative Order No WFX-692 approved on September 19, 1996, permitted this well for injection into the above referenced waterflood project and perforations and allowed a maximum surface injection pressure of 217 psi. On September 10, 1997, the Division raised this permitted injection pressure to 760 psi. It is our understanding this well will not take water at this pressure and additional pressures are needed to continue this water injection pattern in this area.

The basis for granting this pressure increase is the maximum pressure limit on a sampling of offsetting injection wells.

You are hereby authorized to utilize up to 900 psi as the maximum surface injection pressure on this well provided the tubing, size, type, and setting depth does not change.

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.

Sincerely,



Mark E. Fesmire, P.E.  
Director

cc: Oil Conservation Division - Artesia  
File: WFX-692

SEP 27 2007  
OCD-ARTESIA

**TEACO DRILLING INC.**

P.O. BOX 1500 (505) 3910699 FAX (505) 391- 3824 HOBBS, NEW MEXICO 88241

**INCLINATION REPORT**

DATE: 9/12/07

WELL NAME AND NUMBER ERMA COM # 3  
LOCATION CHAVES COUNTY  
OPERATOR: YATES PETROLEUM CORP  
DRILLING CONTRACTOR: TEACO DRILLING INC

THE UNDERSIGNED HEREBY CERTIFIES THAT HE IS AN AUTHORIZED REPRESENTATIVE OF THE DRILLING CONTRACTOR WHO DRILLED THE ABOVE DESCRIBED WELL AND THAT HE HAS CONDUCTED DEVIATION TEST AND OBTAINED THE FOLLOWING RESULTS:

DEGREE	DEPTH	DEGREE	DEPTH	DEGREE	DEPTH
<u>0.75</u>	<u>236</u>	<u>1</u>	<u>3046</u>	<u>      </u>	<u>      </u>
<u>0.5</u>	<u>485</u>	<u>1</u>	<u>3362</u>	<u>      </u>	<u>      </u>
<u>1.25</u>	<u>765</u>	<u>1</u>	<u>4165</u>	<u>      </u>	<u>      </u>
<u>1</u>	<u>865</u>	<u>1</u>	<u>4481</u>	<u>      </u>	<u>      </u>
<u>1</u>	<u>1139</u>	<u>1.25</u>	<u>4775</u>	<u>      </u>	<u>      </u>
<u>0.75</u>	<u>1578</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>1</u>	<u>1907</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>1</u>	<u>2191</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>1</u>	<u>2475</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>0.25</u>	<u>2761</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>

DRILLING CONTRACTOR:  
TEACO DRILLING INCORPORATED

BY: Bob Wegner  
BOB WEGNER  
DRILLING SUPERINTENDENT

SUBSCRIBED AND SWORN TO BEFORE ME ON THE 12 DAY OF Sept, 2007

MY COMMISSION EXPIRES:

3-1-2011 Dina Chauria