



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**  
Cabinet Secretary

September 8, 2003

**Lori Wrotenbery**

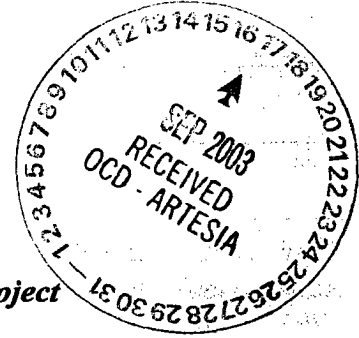
Director

Oil Conservation Division

Marbob Energy Corporation  
P.O. Box 227  
Artesia, New Mexico 88211-0227

Attn: Mr. Brian Collins

**RE: Injection Pressure Increase  
Burch-Keely Cooperative Waterflood Project  
Eddy County, New Mexico**



Dear Mr. Collins:

Reference is made to your request dated July 25, 2003, to increase the surface injection pressure on ten injection wells within the Burch-Keely Cooperative Waterflood Project, Grayburg-Jackson Pool, Eddy County, New Mexico. This request is based on step rate test data previously obtained within the project area. The data has been reviewed by my staff and we feel an increase in injection pressure on these wells is justified at this time.

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

| <b>WELL NAME &amp; NUMBER</b>                                                      | <b>MAXIMUM<br/>SURFACE<br/>INJECTION<br/>PRESSURE</b> |
|------------------------------------------------------------------------------------|-------------------------------------------------------|
| Burch Keely Unit No. 95, Unit J, Section 19, T-17S, R-30E<br>API No. 30-015-04204  | 900 psi                                               |
| Burch Keely Unit No. 97, Unit I, Section 19, T-17S, R-30E<br>API No. 30-015-04209  | 900 psi                                               |
| Burch Keely Unit No. 104, Unit N, Section 19, T-17S, R-30E<br>API No. 30-015-04210 | 900 psi                                               |
| Burch Keely Unit No. 102, Unit O, Section 19, T-17S, R-30E<br>API No. 30-015-04212 | 900 psi                                               |
| Burch Keely Unit No. 100, Unit P, Section 19, T-17S, R-30E<br>API No. 30-015-04213 | 900 psi                                               |
| Burch Keely Unit No. 101, Unit O, Section 19, T-17S, R-30E<br>API No. 30-015-20794 | 900 psi                                               |

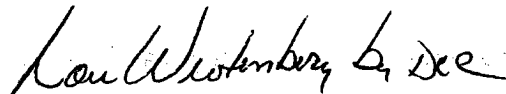
Injection Pressure Increase  
Marbob Energy Corporation  
Burch Keely Unit WF Project  
September 8, 2003  
Page 2

---

| <b>WELL NAME &amp; NUMBER</b>                                                      | <b>MAXIMUM<br/>SURFACE<br/>INJECTION<br/>PRESSURE</b> |
|------------------------------------------------------------------------------------|-------------------------------------------------------|
| Burch Keely Unit No. 98, Unit I, Section 19, T-17S, R-30E<br>API No. 30-015-21366  | 900 psi                                               |
| Burch Keely Unit No. 94, Unit K, Section 19, T-17S, R-30E<br>API No. 30-015-22092  | 900 psi                                               |
| Burch Keely Unit No. 142, Lot 1, Section 30, T-17S, R-30E<br>API No. 30-015-04388  | 900 psi                                               |
| Burch Keely Unit No. 146, Unit B, Section 30, T-17S, R-30E<br>API No. 30-015-04394 | 900 psi                                               |

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,



Lori Wrotenbery  
Director

LW/DRC

cc: Oil Conservation Division - Artesia  
Files: WFX-682, WFX-555, WFX-743  
IP-207