

Sonat Exploration Company  
110 West Louisiana Suite 500  
Midland TX 79701  
915 684 0400  
915 684 0444 Telecopy

AMEND/SWD 8/14/97

**SONAT EXPLORATION**

30 1997

July 28, 1997

New Mexico Oil Conservation Division  
2040 S. Pacheco  
Santa Fe, New Mexico 87505

Attention: Mr. David Catanach

RE: Amendment to SWD Order-485  
Littlefield Federal No. 1 SWD  
Unit Letter B, Section 11, T-24S, R-31E  
Eddy County, New Mexico

Dear Mr. Catanach,

Enclosed is Sonat Exploration Company's application to amend SWD Order-485 including Form C-108 and all supporting documents as required for the above captioned well. Also included is proof of notice to the surface owner, surface tenant and all offset leasehold operators and proof of publication.

Sonat is requesting administrative approval be granted to amend the original SWD Order to allow the Littlefield Federal No. 1 to be deepened to 6500'. Sonat's recent drilling activity in the area has increased disposal requirements and deepening the subject well will increase SWD injectivity.

Your prompt consideration in this matter would be greatly appreciated. If you require further information or have any questions, please call me at (915) 684-0415.



Todd W. Moehlenbrock  
Senior Petroleum Engineer

TWM/s  
Attachments

NOTICE OF APPLICATION FOR FLUID INJECTION WELL PERMIT

Sonat Exploration Co.-Midland, 110 W. Louisiana, Suite 500, Midland, Texas 79701 is seeking administrative approval from the New Mexico Oil Conservation Division to deepen the openhole injection interval in their Littlefield Federal, Well #1, Eddy County, New Mexico. The proposed injection zone is the Bell and Cherry Canyon Sand formation, the existing injection zone is from 4580-4900', the proposed additional openhole section is from 4900-6500'. Sonat Exploration Co.-Midland intends to inject a maximum of 2500 bbls of produced formation water per day per well at a maximum injection pressure of 920 #.

Interested parties must file objections or request for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, NM, 87501 within 15 days of this notice.

*Barbara Ann Boers*

Published in the Artesia Daily Press newspaper on this the 10<sup>th</sup> day of July, 1997.

*[Signature]*  
Editor's Certification(Signature)

July 10, 1997(date)

LEGAL NOTICENOTICE OF APPLICATION  
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WELL PERMIT

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