




## SHELL OIL COMPANY

P. O. Box 1858  
Roswell, New Mexico

July 24, 1961

Subject: Recompletion, Henshaw Deep  
Unit # 2-0, 24-16-30, Eddy  
County, New Mexico. 

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*File in 24-16-30*

State of New Mexico  
Oil Conservation Commission  
Drawer DD  
Artesia, New Mexico

Attention Mr. R. L. Stamets

Gentlemen:

Further to oral communication on July 21, 1961, between Messrs. R. L. Stamets and P. W. Huber in regard to the recompletion of Shell Henshaw Deep Unit 2 and your request for a new form C-104, we ask that the pool designation for the zone now producing be deferred temporarily until we are able to obtain additional geologic control.

The Pennsylvanian top reported to you on Forms C-104 for Henshaw Deep Unit No. 1 and No. 2 is a log marker chosen arbitrarily for local structural control. At present we are unable to define the Wolfcamp-Pennsylvanian formation contact. We believe, however, that Henshaw Deep Unit No. 1 and No. 2 are producing from separate levels within a common rock unit. Tentatively this unit is being designated Pennsylvanian in age.

We plan to drill Henshaw Deep Unit No. 3 as a northwest offset to Henshaw Deep Unit No. 2 and will attempt to core through the Wolfcamp/Pennsylvanian contact. We hope to be able to identify the boundary by fusulinid control. However, the transition from Pennsylvanian to Wolfcamp in this area is so gradual that the exact contact may be imperceptible. As a matter of information, a core in Henshaw Deep Unit 1 established that the Pennsylvanian is no higher than 8740 feet, some 80 feet above the productive zone in this well. We believe porosity development in the present producing interval will occur as random thin streaks which will not be amenable to exploitation as separate pools. Therefore we ask that the pool

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designation be deferred until we have made an attempt to establish formation contacts. Henshaw Deep Unit No. 3 is scheduled to begin as soon as we have concurrence of other operators. We believe this test will provide data which will afford a reasonable basis for defining the pool limits. We will advise you as soon as this information is obtained.

Yours very truly,



R. L. Rankin

Division Production Manager

cc: New Mexico Oil Conservation Commission  
P. O. Box 2045  
Hobbs, New Mexico  
Attn. Mr. John Runyon