

BEFORE THE  
OIL CONSERVATION COMMISSION  
OF NEW MEXICO

APPLICATION OF IVERSON & WELCH  
FOR AN ORDER REDESIGNATING THE  
HORIZONTAL AND VERTICAL LIMITS  
OF THE SHUGART, NORTH SHUGART,  
CULWIN AND CULWIN YATES POOLS,  
ABOLISHING THE CULWIN AND CUL-  
WIN YATES POOLS, INCLUSION OF  
SAID ABOLISHED POOLS WITHIN THE  
SHUGART AND NORTH SHUGART POOLS.

Case No. 2425

A P P L I C A T I O N

Comes now Iverson and Welch and apply to the Oil Conservation Commission of New Mexico for an order abolishing the Culwin and Culwin Yates Pools, Eddy County, New Mexico, as presently designated by the Commission, and for the consolidation of the vertical and horizontal limits of the abolished pools within the vertical and horizontal limits of the Shugart and the North Shugart Pools, Eddy County, New Mexico, and the extension of the vertical and horizontal limits of said Shugart and North Shugart pools, and in support thereof would show the Commission:

1. That the horizontal limits of the pools affected by this application, as presently defined pursuant to the orders of this Commission according to applicants' belief, are shown on the plat attached hereto as Exhibit 1, and made a part of of this application.

2. That the orders of the Commission define the vertical limits of said pools as follows:

*Handwritten signature/initials*

- A. North Shugart, the Queen and Grayburg formations;
- B. Shugart, the Yates, Seven Rivers, Queen and Grayburg formations;
- C. Culwin, the Queen formation;
- D. Culwin-Yates, the Yates formation.

3. In order to prevent waste and to insure greatest ultimate recovery of oil from the pools involved, and promote orderly and economical development of the areas involved, the pools should be consolidated into two pools, the first, to be designated as the North Shugart pool, to consist of all that portion of the North Shugart pool lying north of a line drawn substantially through the center of Township 18 North, Range 31 East, but to include the N $\frac{1}{2}$ N $\frac{1}{2}$  of Section 22 and the N $\frac{1}{2}$ N $\frac{1}{2}$ NE $\frac{1}{4}$  of Section 24 of said township and range. The second pool should be that portion of the Shugart Pool, the North Shugart Pool, the Culwin and the Culwin-Yates pools lying south of the above described line.

4. In order to prevent waste and obtain the greatest ultimate recovery of oil, the vertical limits of the two proposed pools should be designated as including the Yates, Seven Rivers, Queen and the Grayburg formations.

WHEREFORE, applicant prays that this matter be set for hearing before the Commission or the Commission's duly authorized examiner at as early a date as practicable, and that after notice and hearing as required by law the Commission enter its order redefining the vertical and horizontal limits