

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

June 26, 1967

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Y  
  
Ray Smith Drilling Company  
3300 Republic Bank Building  
Dallas, Texas

Gentlemen:

Enclosed herewith please find Administrative Order  
No. 265 authorizing conversion of one well to water injection  
well in your Shugart 18-Queen Unit Water Flood Project in the  
Shugart Pool in Eddy County, New Mexico.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/og

cc: Oil Conservation Commission - Hobbs  
Oil & Gas Engineering Committee - Hobbs

NOTES FROM THE MEETING OF THE  
COMMISSION ON  
SOUTH AFRICAN AFFAIRS

1970-1971

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APPLICATION OF RAY SMITH DRILLING  
COMPANY TO EXPAND ITS SHUGART 18-  
QUEEN UNIT WATER FLOOD PROJECT IN  
THE SHUGART POOL IN EDDY COUNTY,  
NEW MEXICO.

ORDER WFX NO. 265

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 701, Ray Smith Drilling Company has made application to the Commission on June 19, 1967, for permission to expand its Shugart 18-Queen Unit Water Flood Project in the Shugart Pool, Eddy County, New Mexico.

NOW, on this 26th day of June, 1967, the Secretary-Director finds:

1. That application has been filed in due form.
2. That satisfactory information has been provided that all offset operators have been duly notified of the application.
3. That no objection has been received within the waiting period as prescribed by Rule 701.
4. That the proposed injection well is eligible for conversion to water injection under the terms of Rule 701.
5. That the proposed expansion of the above-referenced water flood project will not cause waste nor impair correlative rights.
6. That the application should be approved.

IT IS THEREFORE ORDERED:

That the applicant, Ray Smith Drilling Company, be and the same is hereby authorized to inject water into the Queen formation through the following described well for purposes of secondary recovery, to wit:

Well No. 6 located in Unit K of Section 18, Township 18 South, Range 31 East, NMPM.

PROVIDED HOWEVER, That applicant shall inject water through tubing with a packer set at approximately 2940 feet.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
A. L. PORTER, Jr.  
Secretary-Director

S E A L

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF CHEMISTRY  
5800 S. UNIVERSITY AVENUE  
CHICAGO, ILLINOIS 60637

DATE: 10/10/78

EXPERIMENTAL PROCEDURE

1. Preparation of the monomer. The monomer was prepared by the reaction of the diene with the dienophile in the presence of a catalyst. The reaction was carried out in a round-bottomed flask equipped with a magnetic stirrer and a reflux condenser. The reaction mixture was stirred at room temperature for 24 hours. The product was purified by distillation under reduced pressure.

2. Polymerization of the monomer. The monomer was polymerized in a round-bottomed flask equipped with a magnetic stirrer and a reflux condenser. The reaction mixture was stirred at room temperature for 24 hours. The polymer was precipitated into methanol and dried under vacuum.

3. Characterization of the polymer. The polymer was characterized by infrared spectroscopy, nuclear magnetic resonance spectroscopy, and elemental analysis. The infrared spectrum showed characteristic absorption bands for the polymer. The nuclear magnetic resonance spectrum showed characteristic peaks for the polymer. The elemental analysis showed that the polymer has the expected composition.

4. Synthesis of the polymer. The monomer was polymerized in a round-bottomed flask equipped with a magnetic stirrer and a reflux condenser. The reaction mixture was stirred at room temperature for 24 hours. The polymer was precipitated into methanol and dried under vacuum.

5. Characterization of the polymer. The polymer was characterized by infrared spectroscopy, nuclear magnetic resonance spectroscopy, and elemental analysis. The infrared spectrum showed characteristic absorption bands for the polymer. The nuclear magnetic resonance spectrum showed characteristic peaks for the polymer. The elemental analysis showed that the polymer has the expected composition.

6. Synthesis of the polymer. The monomer was polymerized in a round-bottomed flask equipped with a magnetic stirrer and a reflux condenser. The reaction mixture was stirred at room temperature for 24 hours. The polymer was precipitated into methanol and dried under vacuum.

7. Characterization of the polymer. The polymer was characterized by infrared spectroscopy, nuclear magnetic resonance spectroscopy, and elemental analysis. The infrared spectrum showed characteristic absorption bands for the polymer. The nuclear magnetic resonance spectrum showed characteristic peaks for the polymer. The elemental analysis showed that the polymer has the expected composition.

8. Synthesis of the polymer. The monomer was polymerized in a round-bottomed flask equipped with a magnetic stirrer and a reflux condenser. The reaction mixture was stirred at room temperature for 24 hours. The polymer was precipitated into methanol and dried under vacuum.