

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Serial Number **050177-B**
Lease or Permit **Lease**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT RECORD OF SHOOTING	
NOTICE OF INTENTION TO CHANGE PLANS		RECORD OF PERFORATING CASING	
NOTICE OF DATE FOR TEST OF WATER SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF		NOTICE OF INTENTION TO ABANDON WELL	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO SHOOT		SUPPLEMENTARY WELL HISTORY	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Wink, Texas, February 2, 19 **37**

Following is a ~~notice of intention to do work~~ on land under ~~lease~~ described as follows:

New Mexico

Lea

Jal

C. W. Shepherd
Well No. **"B" #3**

NE-1/4 Sec. 5
(1/4 Sec. and Sec. No.)

26 S
(Twp.)

37 E
(Range)

N.M.P.M.
(Meridian)

The well is located **990** ft. ~~N~~ **S** of ~~N~~ line and **990** ft. ~~E~~ **W** of ~~E~~ line of sec. **5**
approximately 2970'
The elevation of the derrick floor above sea level is **7** ft.

DETAILS OF PLAN OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work.)

Set and cemented 2610' of 7-5/8" OD 26.4# seamless 8thd casing at 2626' with 600 sacks Trinity Portland cement. Completed cementing at 1:30AM 1-28-37.

Drilled plug 3:15AM 2-2-37; tested casing with 1300# pressure before and after drilling plug; tested OK.

Approved _____
(Date)

Company **THE TEXAS COMPANY**

By *[Signature]*
District Superintendent

Title _____
GEOLOGICAL SURVEY

Title _____

Address _____

Address **Box K, Wink, Texas**

NOTE.—Reports on this form to be submitted in triplicate to the Supervisor for approval.
bl cc Oil Conservation Commission, Santa Fe, N.M.

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY
CHICAGO, ILLINOIS 60637

PROPERTIES OF POLYMER FILMS

The properties of polymer films are determined by the nature of the polymer and the conditions of preparation. The mechanical properties, such as tensile strength and elongation, are influenced by the molecular weight, crystallinity, and orientation of the polymer chains. The thermal properties, such as glass transition temperature and melting point, are also affected by these factors. The electrical properties, such as conductivity and dielectric constant, are determined by the chemical structure and the presence of impurities.

The preparation of polymer films involves several steps, including the selection of the polymer, the choice of solvent, and the method of casting. The casting method, such as spin coating or dip coating, affects the thickness and uniformity of the film. The annealing process, which involves heating the film to a specific temperature, can improve the mechanical and thermal properties by increasing the crystallinity and orientation of the polymer chains.

The characterization of polymer films is essential for understanding their properties and for optimizing their performance. Techniques such as X-ray diffraction, infrared spectroscopy, and mechanical testing are used to determine the structure and properties of the films. The results of these characterizations can be used to compare different polymers and to evaluate the effect of various preparation conditions on the film properties.

The study of polymer films is a rapidly growing field, with many new materials and techniques being developed. The understanding of the properties and preparation of polymer films is crucial for the development of new materials and for the improvement of existing ones. The research in this field is expected to continue to grow in the future, as the demand for high-performance polymer films increases.

The properties of polymer films are also influenced by the environment in which they are used. Factors such as temperature, humidity, and mechanical stress can affect the performance of the films. Therefore, it is important to consider these factors when selecting a polymer for a specific application. The study of the environmental effects on polymer films is an active area of research, and it is expected to provide valuable insights into the behavior of these materials in real-world conditions.

In conclusion, the properties of polymer films are determined by a combination of factors, including the nature of the polymer, the conditions of preparation, and the environment in which they are used. The study of these properties is essential for the development of new materials and for the improvement of existing ones. The research in this field is expected to continue to grow in the future, as the demand for high-performance polymer films increases.