

Place Hobbs, N.M.
Date 7-29-39

Glenn Staley
Proration Umpire
Hobbs, N.M.

NOTICE OF COMPLETION OF (Lease) Britt B-15 Well No.) 7
660 Feet from south line; 1530 Feet from west line; S.T. & R. 15-20-37

DATE STARTED 6-22-39
DATE COMPLETED 7-16-39
ELEVATION 3549 GL
TOTAL DEPTH S.L.M. 3854
CABLE TOOLS _____; ROTARY TOOLS X

CASING RECORD

SIZE <u>10 3/4"</u>	DEPTH <u>283</u>	SAX CEMENT <u>225</u>
SIZE <u>7 5/8"</u>	DEPTH <u>1253</u>	SAX CEMENT <u>425</u>
SIZE <u>5 1/2"</u>	DEPTH <u>3761</u>	SAX CEMENT <u>425</u>

TUBING RECORD

SIZE 2" DEPTH 3854'

ACID RECORD
NO. GALS 1000 % 3780-3864
NO. GALS 2000 % 3780-3864
NO. GALS _____ % _____

SHOOTING RECORD
NO. QTS. None
NO. QTS. _____
NO. QTS. _____

FORMATION TOPS

Anhydrite 1200
Top Salt _____
Base Salt 2460
Red Sand _____
Brown Lime _____
White Lime _____
Oil or Gas Pay 3855-3864
Water _____

INITIAL PRODUCTION TEST _____ Pumping _____ Flowing _____
TEST AFTER ACID OR SLOT 25 BOPH flowing thru 3/4" choke

INITIAL GAS VOLUME..... 802 MCF

SCHEDULE NO. 101 DATE August 1, 1939

PIPE LINE TAKING OIL Atlantic P. L. Co.

REMARKS _____ COMPANY Continental Oil Co.

By: [Signature]
Dist. Supt.
cc: H. M. Cons. Comm
EWK JM FILE

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
5408 S. UNIVERSITY AVENUE
CHICAGO, ILLINOIS 60637
TEL: 773-936-3700
WWW.CHEM.UCHICAGO.EDU

1. **Introduction**
This report describes the synthesis and characterization of a novel polymer material. The synthesis was carried out using a series of reactions starting from monomer A and monomer B. The resulting polymer was characterized by various techniques including NMR, IR, and GPC. The results show that the polymer has a high molecular weight and a well-defined structure.

2. **Experimental**
2.1. **Synthesis**
Monomer A (1.0 g, 5.0 mmol) and monomer B (1.0 g, 5.0 mmol) were dissolved in 50 mL of THF. The solution was cooled to 0°C and a solution of catalyst (0.1 g, 0.5 mmol) in 10 mL of THF was added. The reaction mixture was stirred for 24 hours at 0°C. The resulting polymer was precipitated into methanol and dried under vacuum.

2.2. **Characterization**
The polymer was characterized by ¹H NMR, ¹³C NMR, IR, and GPC. The ¹H NMR spectrum shows peaks at 7.2 ppm (d, 2H), 6.8 ppm (d, 2H), 4.5 ppm (t, 2H), and 1.2 ppm (s, 3H). The ¹³C NMR spectrum shows peaks at 165 ppm, 155 ppm, 145 ppm, 135 ppm, 125 ppm, 115 ppm, 75 ppm, and 15 ppm. The IR spectrum shows a strong absorption at 1715 cm⁻¹ (C=O) and a weak absorption at 1640 cm⁻¹ (C=C). The GPC analysis shows a narrow molecular weight distribution with a peak at 1.2 x 10⁵ g/mol.