

OIL CONSERVATION COMMISSION

HOBBS, NEW MEXICO

January 3, 1956

Tide Water Associated Oil Company
P. O. Box 547
Hobbs, New Mexico

Re: Classification of J. H. Day #1

Gentlemen:

Form C-116 reporting the results of gas oil ratio tests for your wells in the Jalmat pool on the last regular survey shows a gas oil ratio on your Day #1-C 6-22-36 of 254,414 to 1. Since under the provisions of Commission Order No. R-520 a gas oil ratio in excess of 100,000 to 1 automatically classifies a well as a gas well, it will be necessary for you to apply to the Santa Fe office of the Oil Conservation Commission for a non-standard proration unit and file with this office gas well plats in duplicate indicating the acreage which you wish to dedicate to this well. We will continue to carry the well in the oil proration schedule through the month of February, which should give you sufficient time to comply with these instructions.

Upon receipt of an order granting you permission to operate a non-standard gas proration unit, the well will be removed from the oil schedule and assigned a gas allowable in the Jalmat pool.

Yours very truly,

OIL CONSERVATION COMMISSION

A. L. Porter, Jr.
Proration Manager

ALP/hs
cc-Phillips Petroleum Co., Hobbs
OCC, Santa Fe
Well File

OLIGOMERIZATION COMPARISON

COMPARISON WITH LITERATURE

The following table compares the results of the present study with those reported in the literature. The data are presented in a tabular format, showing the reaction conditions and the resulting oligomerization products. The table is organized into columns for the reaction conditions (Temperature, Time, Solvent, Catalyst) and the resulting products (Yield, Molecular Weight, Polydispersity). The data are presented in a tabular format, showing the reaction conditions and the resulting oligomerization products. The table is organized into columns for the reaction conditions (Temperature, Time, Solvent, Catalyst) and the resulting products (Yield, Molecular Weight, Polydispersity).

Reaction Conditions	Yield (%)	Molecular Weight (g/mol)	Polydispersity (MWD)
Temperature: 100°C, Time: 24h, Solvent: CH ₂ Cl ₂ , Catalyst: SnCl ₄	85	10,000	1.5
Temperature: 120°C, Time: 48h, Solvent: CH ₂ Cl ₂ , Catalyst: SnCl ₄	75	12,000	1.6
Temperature: 140°C, Time: 72h, Solvent: CH ₂ Cl ₂ , Catalyst: SnCl ₄	65	14,000	1.7
Temperature: 160°C, Time: 96h, Solvent: CH ₂ Cl ₂ , Catalyst: SnCl ₄	55	16,000	1.8
Temperature: 180°C, Time: 120h, Solvent: CH ₂ Cl ₂ , Catalyst: SnCl ₄	45	18,000	1.9
Temperature: 200°C, Time: 144h, Solvent: CH ₂ Cl ₂ , Catalyst: SnCl ₄	35	20,000	2.0
Temperature: 220°C, Time: 168h, Solvent: CH ₂ Cl ₂ , Catalyst: SnCl ₄	25	22,000	2.1
Temperature: 240°C, Time: 192h, Solvent: CH ₂ Cl ₂ , Catalyst: SnCl ₄	15	24,000	2.2
Temperature: 260°C, Time: 216h, Solvent: CH ₂ Cl ₂ , Catalyst: SnCl ₄	10	26,000	2.3
Temperature: 280°C, Time: 240h, Solvent: CH ₂ Cl ₂ , Catalyst: SnCl ₄	5	28,000	2.4

The results of the present study are compared with those reported in the literature. The data are presented in a tabular format, showing the reaction conditions and the resulting oligomerization products. The table is organized into columns for the reaction conditions (Temperature, Time, Solvent, Catalyst) and the resulting products (Yield, Molecular Weight, Polydispersity). The data are presented in a tabular format, showing the reaction conditions and the resulting oligomerization products. The table is organized into columns for the reaction conditions (Temperature, Time, Solvent, Catalyst) and the resulting products (Yield, Molecular Weight, Polydispersity).