

NEW MEXICO SCHOOL OF MINES
STATE BUREAU OF MINES AND MINERAL RESOURCES
Socorro, New Mexico

COUNTY Colfax
FIELD Wildcat
COMPANY Magnolia Petroleum Company
LEASE T. O. Ranch Well No. 1
LOCATION ($\frac{1}{4}$) NW SW
SEC. 10 T. 28 N R. 26 E
1930 feet from South line and
660 feet from West line of Sec.

WELL LOG DIVISIONCASING RECORD

Diam. in Bottom ELEVATION 7114' FEET
10-3/4" 249' INITIAL DAILY PRODUCTION:
Open - - - - bbls.Oil
Open cu.ft.Gas
Tbg. bbls.Oil
Tbg. cu.ft.Gas

COMMENCED 8-16-54

COMPLETED 8-26-54

ABANDONED P & A

REMARKS

Formation	Bottom, Feet	Formation	Bottom, Feet
Brown & Gray Shale	45		
Shale, Lime & Anhydrite	148		
Shale	178		
Dolomite, Anhydrite, Brown & Gray Shale	208		
Brown Shale & Sand	237		
Shale, Brown & Gray	244		
Bentonite			
Hard Sand	252		
Sandy Shale	310		
Shale & Sand	365		
Hard Sand	408		
Green Sandy Shale	466		
Sand & Shale	558		
Green & Reddish Brown			
Sandy Shale	699		
Rock & Sandy Shale	705		
Igneous Rock	715 T.D.		

GEOLOGIC TOPS - BY DRILLER

T. Greenhorn 90
T. Graneros 120
T. Dakota 238
T. Morrison 377
T. Granite 701

1. Introduction

The purpose of this study is to investigate the effects of various factors on the performance of a system. The factors considered are the input variables, the output variables, and the intermediate variables. The study is divided into two main parts: a theoretical analysis and an experimental analysis. The theoretical analysis is based on the principles of system dynamics and the experimental analysis is based on the results of a series of experiments. The results of the study show that the performance of the system is significantly affected by the input variables and the output variables. The intermediate variables also play a role in the performance of the system, but their effect is less pronounced than that of the input and output variables. The study also shows that the performance of the system can be improved by optimizing the input variables and the output variables.

The study is organized as follows. Chapter 1 introduces the problem and the objectives of the study. Chapter 2 presents the theoretical analysis of the system. Chapter 3 describes the experimental setup and the results of the experiments. Chapter 4 discusses the implications of the results and the conclusions of the study. Chapter 5 provides a summary of the study and suggests areas for further research.

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