

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 being studied are the input variables, the output variables, and the system parameters. The results of the study will be used to optimize the system performance and to identify the most important factors affecting the system. The study is organized as follows: first, the input variables are identified and their effects on the system performance are studied. Then, the output variables are identified and their effects on the system performance are studied. Finally, the system parameters are identified and their effects on the system performance are studied.

The first part of the study is devoted to the identification of the input variables. The input variables are the variables that are used to control the system. The input variables are identified by studying the system and by identifying the variables that are used to control the system. The input variables are then studied to determine their effects on the system performance.

The second part of the study is devoted to the identification of the output variables. The output variables are the variables that are produced by the system. The output variables are identified by studying the system and by identifying the variables that are produced by the system. The output variables are then studied to determine their effects on the system performance.

The third part of the study is devoted to the identification of the system parameters. The system parameters are the variables that are used to describe the system. The system parameters are identified by studying the system and by identifying the variables that are used to describe the system. The system parameters are then studied to determine their effects on the system performance.

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