

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELL

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-offs, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SPOORING CHEMICAL TREATMENT OF WELL	<input checked="" type="checkbox"/>	REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Hobbs, New Mexico October 9, 1939

Place

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

DUPLICATE

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

Gulf Oil Corp. - Gypsy Div. - N. T. McConrck Well No. #5 in the
Company or Operator Lease
SE/4 of Sec. 22, T. 20S, R. 37E, N. M. P. M.,
Hardy Field, Lea County

The dates of this work were as follows:

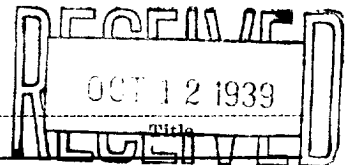
Notice of intention to do the work was (was not) submitted on Form C-102 on _____ 19____ and approval of the proposed plan was (was not) obtained. (Cross out incorrect words)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Sept 27, 1939 treated with 5,000 gallons acid (15% Acid)

Production before treatment:- Sept 10, 1939 flowed 15 bbls oil no water in 24 hours thru 2" tubing wide open with 425,168 cu. ft. gas.

Production after treatment:- Flowed 36 bbls oil in 24 hours thru 2" tubing wide open gas 557,000 cu. ft.



Witnessed by _____ Name _____ Company _____

Subscribed and sworn to before me this _____

I hereby swear or affirm that the information given above is true and correct.

NOBBS OFFICE

9th day of October, 19 39

Name *W. C. ...*

Position District Supt.

Representing Gulf Oil Corp. - Gypsy Div. Company or Operator

J. W. Garner
Notary Public

My Commission expires February 25, 1942

Address Hobbs, New Mexico.

Remarks:

Roy Yarbroyle
Name

OIL & GAS INSPECTOR

PROBABILITY AND STATISTICS

Chapter 1: Introduction

1.1. DEFINITIONS AND NOTATION

Let S be a set. A subset of S is a set whose elements are all elements of S . The empty set is denoted by \emptyset . The universal set is denoted by Ω . The complement of a set A is denoted by A^c . The intersection of two sets A and B is denoted by $A \cap B$. The union of two sets A and B is denoted by $A \cup B$. The set difference $A \setminus B$ is the set of elements in A that are not in B .

Let Ω be a set. A σ -algebra on Ω is a collection of subsets of Ω that is closed under complementation and countable unions. The σ -algebra generated by a collection of sets is the smallest σ -algebra containing all the sets in the collection.

Let \mathcal{F} be a σ -algebra on Ω . A probability measure on \mathcal{F} is a function P from \mathcal{F} to $[0, 1]$ such that $P(\Omega) = 1$ and P is countably additive. A probability space is a triple (Ω, \mathcal{F}, P) .

Let (Ω, \mathcal{F}, P) be a probability space. A random variable is a measurable function from Ω to \mathbb{R} . The distribution function of a random variable X is the function $F_X(x) = P(X \leq x)$.

Let X and Y be random variables. The joint distribution function of X and Y is the function $F_{X,Y}(x,y) = P(X \leq x, Y \leq y)$.

Let X and Y be random variables. The conditional distribution function of X given $Y = y$ is the function $F_{X|Y}(x|y) = P(X \leq x | Y = y)$.

Let X and Y be random variables. The conditional probability density function of X given $Y = y$ is the function $f_{X|Y}(x|y) = \frac{d}{dx} F_{X|Y}(x|y)$.

Let X and Y be random variables. The conditional expectation of X given $Y = y$ is the function $E[X | Y = y]$.

Let X and Y be random variables. The conditional variance of X given $Y = y$ is the function $\text{Var}[X | Y = y]$.

Let X and Y be random variables. The conditional covariance of X and Y given $Y = y$ is the function $\text{Cov}[X, Y | Y = y]$.

Let X and Y be random variables. The conditional correlation coefficient of X and Y given $Y = y$ is the function $\rho_{X,Y | Y = y}$.

Let X and Y be random variables. The conditional moment generating function of X given $Y = y$ is the function $M_{X|Y}(t|y) = E[e^{tX} | Y = y]$.

Let X and Y be random variables. The conditional characteristic function of X given $Y = y$ is the function $\phi_{X|Y}(t|y) = E[e^{itX} | Y = y]$.

Let X and Y be random variables. The conditional probability density function of Y given $X = x$ is the function $f_{Y|X}(y|x) = \frac{d}{dy} F_{Y|X}(y|x)$.

Let X and Y be random variables. The conditional expectation of Y given $X = x$ is the function $E[Y | X = x]$.

Let X and Y be random variables. The conditional variance of Y given $X = x$ is the function $\text{Var}[Y | X = x]$.

Let X and Y be random variables. The conditional covariance of X and Y given $X = x$ is the function $\text{Cov}[X, Y | X = x]$.