

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## MISCELLANEOUS REPORTS ON WELLS

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-off, 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 SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	7 5/8"	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Hobbs, New Mexico December 7th 1937.

Place

Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico.

Gentlemen:

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

GULF OIL CORPORATION  
Company or Operator C. H. Kyte Lease #2 Well No. #2 in the  
SE/4 of Sec. 7, T. 19, R. 37, N. M. P. M.,  
Monument Field, Lea County.

The dates of this work were as follows: Cemented Dec 4 -1937 Tested Dec 6th 1937.

Notice of intention to do the work was yes/no submitted on Form C-102 on Dec 6th 19 37  
and approval of the proposed plan was yes/no obtained. (Cross out incorrect words.)

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

The hole was washed down the casing tested with 1200# pressure applied for 30 mins., the plug drilled and the hole tested with 1200# pressure applied for 30 mins., both tests were OK and after approval of Mr Sheppard State Oil & Gas inspector, preparations were made to drill ahead.

Witnessed by C. L. Hoppe Gulf Foreman, Field.  
Gus Everetts Loffland Bros Tool pusher.  
Name Company Title

Subscribed and sworn to before me this \_\_\_\_\_

7th day of December, 19 37

Notary Public

My Commission expires February 8th., 1941.

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

Name D. D. CummingsPosition District Supt.Representing GULF OIL CORPORATION  
GYPSY DIVISIONCompany or Operator  
Address Hobbs, New Mexico

Remarks:

Guy Sheppard  
Name  
Oil & Gas Inspector  
Title

DEC 10 1937

# Themenkomplex: Vorkurs Mathematik

## 1. Mengen und Logik

• **Mengen**: Eine Menge ist eine Zusammenfassung von Objekten (Elementen) zu einem Ganzen. Die Elemente einer Menge  $M$  sind  $x, y, z, \dots$ . Die Menge  $M$  wird durch  $\{x, y, z, \dots\}$  bezeichnet.

• **Teilmengen**: Eine Menge  $A$  ist eine Teilmenge einer Menge  $B$ , wenn jedes Element von  $A$  auch Element von  $B$  ist. Schreibweise:  $A \subseteq B$ .

• **Operationen**: Vereinigung ( $\cup$ ), Durchschnitt ( $\cap$ ), Differenz ( $\setminus$ ), Komplement ( $\complement$ ).

• **Venn-Diagramme**: Zur Veranschaulichung von Mengenbeziehungen.

• **Logik**: Aussagenlogik, Wahrheitstabellen, Logische Gesetze.

• **Quantoren**: Allquantor ( $\forall$ ), Existenzquantor ( $\exists$ ).

### 2. Funktionen

• **Funktion**: Eine Abbildung von einer Menge  $M$  auf eine Menge  $N$ .

• **Graphen**: Zur Veranschaulichung von Funktionen.

• **Stetigkeit**: Eine Funktion  $f$  ist stetig, wenn sie keine Sprünge aufweist.

• **Extremwerte**: Maximum und Minimum einer Funktion.

• **Ableitungen**: Die Ableitung einer Funktion  $f$  ist  $f'(x)$ .

• **Integration**: Die Integration einer Funktion  $f$  ist  $\int f(x) dx$ .

### 3. Vektoren

• **Vektor**

• **Skalarprodukt**:  $\vec{a} \cdot \vec{b} = |\vec{a}| |\vec{b}| \cos(\alpha)$

• **Kreuzprodukt**:  $\vec{a} \times \vec{b} = |\vec{a}| |\vec{b}| \sin(\alpha) \vec{n}$

• **Winkel**:  $\alpha = \arccos\left(\frac{\vec{a} \cdot \vec{b}}{|\vec{a}| |\vec{b}|}\right)$

• **Abstand**:  $d = \frac{|\vec{a} \times \vec{b}|}{|\vec{b}|}$

• **Flächeninhalt**:  $A = \frac{1}{2} |\vec{a} \times \vec{b}|$

• **Volumen**:  $V = \frac{1}{6} |\vec{a} \cdot (\vec{b} \times \vec{c})|$

• **Parametrisierung**:  $\vec{r}(t) = x(t) \vec{e}_1 + y(t) \vec{e}_2 + z(t) \vec{e}_3$

• **Winkel**:  $\alpha = \arccos\left(\frac{\vec{a} \cdot \vec{b}}{|\vec{a}| |\vec{b}|}\right)$

• **Abstand**:  $d = \frac{|\vec{a} \times \vec{b}|}{|\vec{b}|}$

• **Flächeninhalt**:  $A = \frac{1}{2} |\vec{a} \times \vec{b}|$

• **Volumen**:  $V = \frac{1}{6} |\vec{a} \cdot (\vec{b} \times \vec{c})|$