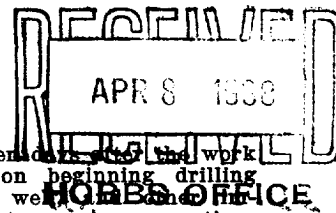


**NI MEXICO OIL CONSERVATION COMMISSION**  
**Santa Fe, New Mexico**

**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:

**DUPLICATE**

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		REPORT ON DEEPENING WELL	<b>XXX</b>
REPORT ON RESULT OF PLUGGING OF WELL			

Hobbs, New Mexico April 6-1938

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**

**C.D. Woolworth Gas well.**

Well No. **#1** in the \_\_\_\_\_

GYPSY DIVISION  
 Company or Operator

Lease

**SE/4** of Sec. **30**, T. **24**, R. **37**, N. M. P. M.,

**Jal** Field, **La.** 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**

**Deepened well from 3217' to 3903' and plugged back to 3773'**  
**acidized at 3725' with 2,000 gallons.**

**Production before:- 650,000 cubic feet gas.**

**Production after:- 3,850,000 cu. ft. gas.**

Witnessed by _____	_____	_____
Name	Company	Title

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

**6th** day of **April**, 19 **38**

*J. W. Garner*

Notary Public

My Commission expires **February 25-1942**

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

Name *C. C. [Signature]*

Position **District Supt.**

Representing \_\_\_\_\_

Company or Operator

Address **Hobbs, New Mexico.**

Remarks:

*Guy Shepard*  
 Name  
**Oil & Gas Inspector**  
 Title

**PARTIAL COEFFICIENTS OF CORRELATION**

$\mathbb{R}^n$  is a vector space over  $\mathbb{R}$  with the usual addition and scalar multiplication. The norm  $\|\cdot\|$  is defined by  $\|x\| = \sqrt{x_1^2 + \dots + x_n^2}$ . The inner product  $\langle \cdot, \cdot \rangle$  is defined by  $\langle x, y \rangle = x_1 y_1 + \dots + x_n y_n$ . The orthogonal group  $O(n)$  is the group of linear transformations  $T$  such that  $T^T = -T$ . The Lie algebra  $\mathfrak{o}(n)$  is the space of skew-symmetric matrices. The adjoint representation  $\text{Ad}_T$  is defined by  $\text{Ad}_T(X) = T X T^{-1}$ . The Killing form  $B(X, Y)$  is defined by  $B(X, Y) = \text{tr}(\text{ad}_X \text{ad}_Y)$ . The Cartan-Killing classification theorem states that the simple Lie algebras over  $\mathbb{C}$  are classified into four types:  $A_n$ ,  $B_n$ ,  $C_n$ , and  $D_n$ . The Cartan matrix  $C$  is a matrix whose entries are the coefficients of the simple roots in the Cartan decomposition. The Dynkin diagram is a graph whose nodes are the simple roots and whose edges are the Cartan matrix entries. The root system  $\Phi$  is the set of all roots. The Weyl group  $W$  is the group of reflections generated by the simple reflections. The fundamental weights  $\omega_i$  are the duals of the simple roots. The highest weight  $\lambda$  is the weight of the highest weight vector. The Verma module  $M(\lambda)$  is the module generated by the highest weight vector. The irreducible representation  $V(\lambda)$  is the quotient of  $M(\lambda)$  by its maximal submodule. The character  $\chi(\lambda)$  is the trace of the action of the Cartan element  $H$  on  $V(\lambda)$ . The Weyl character formula states that  $\chi(\lambda) = \frac{\sum_{w \in W} \epsilon(w) e^{w(\lambda + \rho)}}{\sum_{w \in W} \epsilon(w) e^{w(\rho)}}$ . The Kostant's partition function  $p(\lambda)$  is the number of ways to write  $\lambda$  as a sum of positive roots. The Kostant's partition function is related to the character  $\chi(\lambda)$  by  $\chi(\lambda) = \sum_{\mu \in \Phi^+} p(\mu) e^{\mu}$ . The Kostant's partition function is also related to the number of elements in the coset  $\lambda + \mathfrak{h}$  of the nilpotent cone  $\mathfrak{h}$ . The Kostant's partition function is a fundamental tool in the study of Lie algebras and their representations.

[illegible]

1. *Journal of the American Medical Association*, 2000; 284: 1039-1044.

[illegible]

1. *Journal of the American Medical Association*, 1997; 278: 1039-1044.

100-443887-1000

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D).

• *Journal of the American Academy of Child and Adolescent Psychiatry*, 1999, 38(12):1353-1360.

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971) using a Shimadzu 1010 spectrophotometer.

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