

NEW MEXICO OIL CONSERVATION COMMISSION

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

|  |                       |                  |                              |                                  |                              |  |                       |  |
|--|-----------------------|------------------|------------------------------|----------------------------------|------------------------------|--|-----------------------|--|
| Operator<br><b>Humble Oil &amp; Refining Company</b> |                       |                  |                              | Lease<br><b>N. M. "M" State</b>  |                              |  | Well<br>No. <b>20</b> |  |
| Location<br>of Well                                  | Unit<br><b>F</b>      | Sec<br><b>29</b> | Twp<br><b>22S</b>            | Rge<br><b>37E</b>                | County<br><b>Lea</b>         |  |                       |  |
| Name of Reservoir or Pool                            |                       |                  | Type of Prod<br>(Oil or Gas) | Method of Prod<br>Flow, Art Lift | Prod. Medium<br>(Tbg or Csg) |  | Choke Size            |  |
| Upper<br>Compl                                       | <b>Langlie Mattix</b> |                  | <b>Oil</b>                   | <b>Pump</b>                      | <b>Tbg.</b>                  |  | <b>Open</b>           |  |
| Lower<br>Compl                                       | <b>San Andres</b>     |                  | <b>Water</b>                 | <b>Shut-in</b>                   | <b>4-1/2" Csg.</b>           |  | <b>-</b>              |  |

Standby water source well for N. M. "M" State Lease flood.  
FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:00 A.M., 1-21-69

Well opened at (hour, date): 12:00 Noon 1-22-69

|  |                     |                     |
|--|---------------------|---------------------|
| Indicate by ( X ) the zone producing.....                | Upper<br>Completion | Lower<br>Completion |
| Pressure at beginning of test.....                       | <u>35</u>           | <u>80</u>           |
| Stabilized? (Yes or No).....                             | <u>Yes</u>          | <u>Yes</u>          |
| Maximum pressure during test.....                        | <u>35</u>           | <u>80</u>           |
| Minimum pressure during test.....                        | <u>35</u>           | <u>0</u>            |
| Pressure at conclusion of test.....                      | <u>35</u>           | <u>0</u>            |
| Pressure change during test (Maximum minus Minimum)..... | <u>0</u>            | <u>80</u>           |
| Was pressure change an increase or a decrease?.....      | <u>-</u>            | <u>Decrease</u>     |

Well closed at (hour, date): 9:00 A.M. 1-23-69 Total Time On Production 21 Hours

Oil Production During Test: 0 bbls; Grav. -; Gas Production During Test: - MCF; GOR -

Remarks Water well (lower zone) has been shut in since January 1968.

FLOW TEST NO. 2

Well opened at (hour, date): 9:15 A.M., 1-24-69

|  |                     |                     |
|--|---------------------|---------------------|
| Indicate by ( X ) the zone producing.....                | Upper<br>Completion | Lower<br>Completion |
| Pressure at beginning of test.....                       | <u>35*</u>          | <u>0</u>            |
| Stabilized? (Yes or No).....                             | <u>Yes</u>          | <u>Yes</u>          |
| Maximum pressure during test.....                        | <u>35</u>           | <u>0</u>            |
| Minimum pressure during test.....                        | <u>35</u>           | <u>0</u>            |
| Pressure at conclusion of test.....                      | <u>35</u>           | <u>0</u>            |
| Pressure change during test (Maximum minus Minimum)..... | <u>0</u>            | <u>-</u>            |
| Was pressure change an increase or a decrease?.....      | <u>-</u>            | <u>-</u>            |

Well closed at (hour, date) 9:15 A.M., 1-25-69 Total time on Production 24 Hours

Oil Production During Test: 2 bbls; Grav. 34.2; Gas Production During Test: 1 MCF; GOR 500

Remarks \*35# Back pressure from separator.

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved \_\_\_\_\_ 19  
New Mexico Oil Conservation Commission

Operator Humble Oil & Refining Company  
By C. D. EDWARDS  
Title District Services Supervisor  
Date 2-7-69

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for consistent data collection procedures and the use of advanced analytical techniques to derive meaningful insights from the data.

3. The third part of the document focuses on the role of technology in data management and analysis. It discusses how modern software solutions can streamline data collection, storage, and processing, thereby improving efficiency and accuracy.

4. The fourth part of the document addresses the challenges associated with data management, such as data quality, security, and privacy. It provides strategies to mitigate these risks and ensure that the data remains reliable and secure throughout its lifecycle.

5. The fifth part of the document concludes by summarizing the key findings and recommendations. It stresses the importance of ongoing monitoring and evaluation to ensure that the data management processes remain effective and aligned with the organization's goals.

### Appendix A: Data Collection Methods

This appendix provides a detailed description of the data collection methods used in the study. It includes information on the sources of data, the instruments used for data collection, and the procedures followed to ensure the reliability and validity of the data.

The data was collected through a combination of primary and secondary sources. Primary data was obtained through surveys, interviews, and observations, while secondary data was sourced from publicly available reports and databases.

The surveys were designed to capture a wide range of information related to the study's objectives. They were administered to a representative sample of the population, ensuring that the data collected is generalizable to the target group.

Interviews were conducted with key stakeholders to gain deeper insights into the issues at hand. The interviews were structured to explore specific aspects of the data, allowing for a more nuanced understanding of the findings.

Observations were used to complement the survey and interview data, providing a direct view of the activities and interactions being studied. This method helps to identify patterns and behaviors that may not be fully captured through self-reported data.

Secondary data sources provided additional context and background information. By analyzing existing data, the study was able to identify trends and correlations that supported the primary data findings.

The data collection process was carefully monitored to ensure that all data points were accurately recorded and that the integrity of the data was maintained throughout the study.

The use of multiple data collection methods allowed for a comprehensive and multi-faceted analysis of the data, enhancing the overall quality and reliability of the study's results.

The data collection methods were chosen based on their ability to provide both quantitative and qualitative insights, enabling a thorough exploration of the research questions.

The appendix also includes a list of the data collection instruments used, such as survey questionnaires and interview guides, which are available for reference and replication.

The data collection process was conducted in a systematic and organized manner, ensuring that all necessary steps were followed to achieve the study's objectives.