

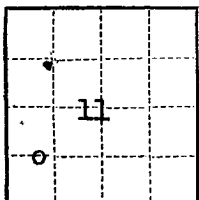
(SUBMIT IN TRIPLICATE)

Land Office Santa Fe

Lease No. SF 080724

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Unit W/2 Sec 11, T28N, R10W,
N.M.P.M. San Juan County,
New Mexico



SUNDRY NOTICES AND REPORTS ON WELLS

| | | | |
|---|-------------------------------------|---|--|
| NOTICE OF INTENTION TO DRILL..... | <input checked="" type="checkbox"/> | SUBSEQUENT REPORT OF WATER SHUT-OFF..... | |
| NOTICE OF INTENTION TO CHANGE PLANS..... | | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... | |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF..... | | SUBSEQUENT REPORT OF ALTERING CASING..... | |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE..... | | SUBSEQUENT REPORT OF ABANDONMENT..... | |
| NOTICE OF INTENTION TO PULL OR ALTER CASING..... | | SUPPLEMENTARY WELL HISTORY..... | |
| NOTICE OF INTENTION TO ABANDON WELL..... | | | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 9, 1961

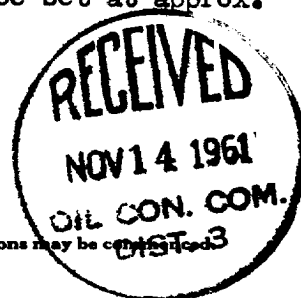
Zachry
Well No. 18 is located 794 ft. from [N] line and 805 ft. from [W] line of sec. 11
W/2 Section 11 28 N 10 W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Basin Dakota San Juan County New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5640 ft. G.L.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The objective sand is the Dakota Formation anticipated at approx. 6500 Ft.
Proposed casing program: 250' 8-5/8" OD. 32.00#, J-55, Cemented to Surface
6500' 4-1/2" OD. 10.50#, J-55 Cemented w/ 250 Sacks.
Run 4 1/2" Stage Collar set below Picture Cliff Formation Cemented w/ 100 Sacks.
Rotary Tools will be employed from surface to T.D. Pipe will be set at approx.
6500 Ft.
Estimated T.D. 6500 Ft.
Well will be sand fraced in an effort to stimulate production.



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Southern Union Production Company

Address P. O. Box 808

Farmington, New Mexico

By Gilbert D. Noland, Jr.

Title Drilling Superintendent

ATTACHED IN ENCLOSE.

247472 050140

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1. The first part of the report is a general statement of the purpose of the study and the scope of the work.

2. The second part is a review of the literature on the subject, showing the progress of research and the gaps in knowledge.

3. The third part describes the methods used in the study, including the selection of subjects, the design of the experiment, and the procedures for data collection and analysis.

4. The fourth part presents the results of the study, showing the data obtained and the statistical analysis of the results.

5. The fifth part is a discussion of the results, comparing them with the findings of other studies and discussing the implications of the results for the field of research.

6. The sixth part is a conclusion, summarizing the main findings of the study and suggesting directions for future research.

7. The seventh part is a list of references, showing the sources of information used in the study.

8. The eighth part is an appendix, containing supplementary material that is not included in the main text of the report.

9. The ninth part is a list of figures and tables, showing the location of each figure or table in the report.

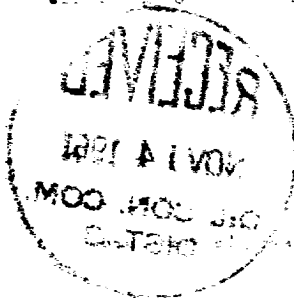
10. The tenth part is a list of abbreviations, showing the meaning of the abbreviations used in the report.

[illegible]

DECLASSIFIED BY: 6032

[illegible]

• The following information is being provided to you for your information only. It is not intended to be used as a basis for any action. It is not intended to be used as a basis for any action. It is not intended to be used as a basis for any action.



8/17/17

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1. *Chlorophyll a* (Chl a) and *Chlorophyll b* (Chl b) are the primary photosynthetic pigments in green plants. They are responsible for capturing light energy and converting it into chemical energy through the process of photosynthesis. Chl a is the most abundant pigment, while Chl b is present in smaller amounts. Both pigments absorb light most efficiently in the blue and red regions of the visible spectrum.

SECRET

NEW MEXICO OIL CONSERVATION COMMISSION
Well Location and Acreage Dedication Plat

Section A.

Date November 6, 1961

Operator Southern Union Production Co. Lease 7achury
Well No. 10 Unit Letter M Section 11 Township 28-N Range 10-W NMPM
Located 794 Feet From North Line, 805 Feet From West Line
County San Juan G. L. Elevation 5610 Dedicated Acreage 327.29 Acres
Name of Producing Formation Dakota Pool Basin Dakota

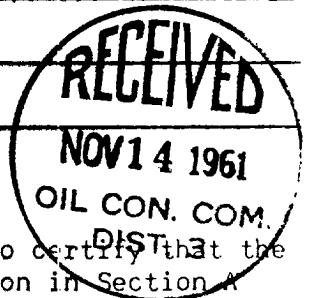
1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below?
Yes X No _____.
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes _____ No _____. If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner

Land Description

Section B

| | |
|---|--------------------|
| Dedicated Acreage: <u>327.29 Acres. E/2 E/2</u> <u>Section 10 and all of Sec. 11,</u> <u>Township 28-N, Range 10-W,</u> <u>N.M.P.M. San Juan County,</u> <u>New Mexico.</u> | |
| | |
| | |
| | |
| <u>E/2 E/2</u> <u>Sec. 10</u> | <u>All Sec. 11</u> |
| Scale: <u>4" = 1 Mile</u> | |



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Southern Union Production Co.
P. O. Box 808

Gilbert D. Noland, Jr.
Gilbert D. Noland, Jr.
(Representative)

Farrington, N.M.

Address

This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed Nov. 6, 1961

L. de V. McLean
Registered Professional
Engineer and/or Land Surveyor.

Certificate No. 35

INSTRUCTIONS FOR COMPLETION:

1. Operator shall furnish and certify to the information called for in Section A.
2. Operator shall outline the dedicated acreage for both oil and gas wells on the plat in Section B.
3. A registered professional engineer or land surveyor registered in the State of New Mexico or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
4. All distances shown on the plat must be from the outer boundaries of Section.
5. If additional space is needed for listing owners and their respective interests as required in question 3, Section A, please use space below

* "Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1953 Comp.)