

**(SUBMIT IN TRIPLICATE)**

**Land Office**

Lease No. \_\_\_\_\_

Unit

Breach #5:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

|                                                |   |                                            |  |
|------------------------------------------------|---|--------------------------------------------|--|
| NOTICE OF INTENTION TO DRILL                   | X | 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)

U. S. CENSUS BUREAU  
WASHINGTON, D. C. 20540

**September 27, 1963**

19

Well No. D-240 is located ~~300~~ ft. from N line and 1060 ft. from E line of sec. 15

NE, NE, Section 15  
(1/4 Sec. and Sec. No.)

**26 N**  
-----  
**(Twp.)**

**6 W**  
 (Range)

104PM  
-----  
(Meridian)

Basin Dakota  
(Field)

**Rio Arriba**  
(County or Subdivision)

**New Mexico**  
(State or Territory)

The elevation of the derrick floor above sea level is 5290 ft.

## 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)

It is proposed to mud drill with rotary drilling equipment to approximately 7500' to test the Dakota formation. The following casing and cementing program will be used:

9-5/8" 32.30# H-40 Seamless Casing @ 250' cemented top to bottom  
4 1/2" 11.6# J-55 Seamless Casing 0 to 1000', 4 1/2" 10-5# J-55 Seamless Casing from  
1000' to 6500' and 4 1/2" 11.6# J-55 Seamless Casing 6500' to 7500'

The 4 1/2" casing will be cemented through the casing shoe with 150 sks. 12% gel cement followed by 100 sks. latex cement. It will also be cemented thru a stage collar at approximately 5400' with 350 sks. 12% gel cement followed by 50 sks. neat. The second stage is 150% of the calculated volume required to cover the Mesa Verde and Pictured Cliffs zones.

The 4 1/2" casing will be perforated in the Dakota zone and the well will be sand/water fractured to obtain the best completion.

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

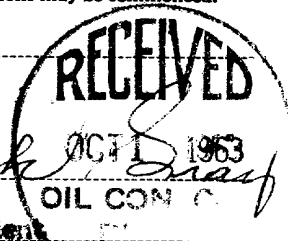
Company Caulking Oil Company

Address Box 780

Farrington, New Mexico

By Frank  
Title Superintendent

Title Superintendent



NEW MEXICO OIL CONSERVATION COMMISSION  
Well Location and Acreage Dedication Plat

SECTION A.

Date \_\_\_\_\_

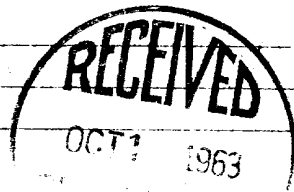
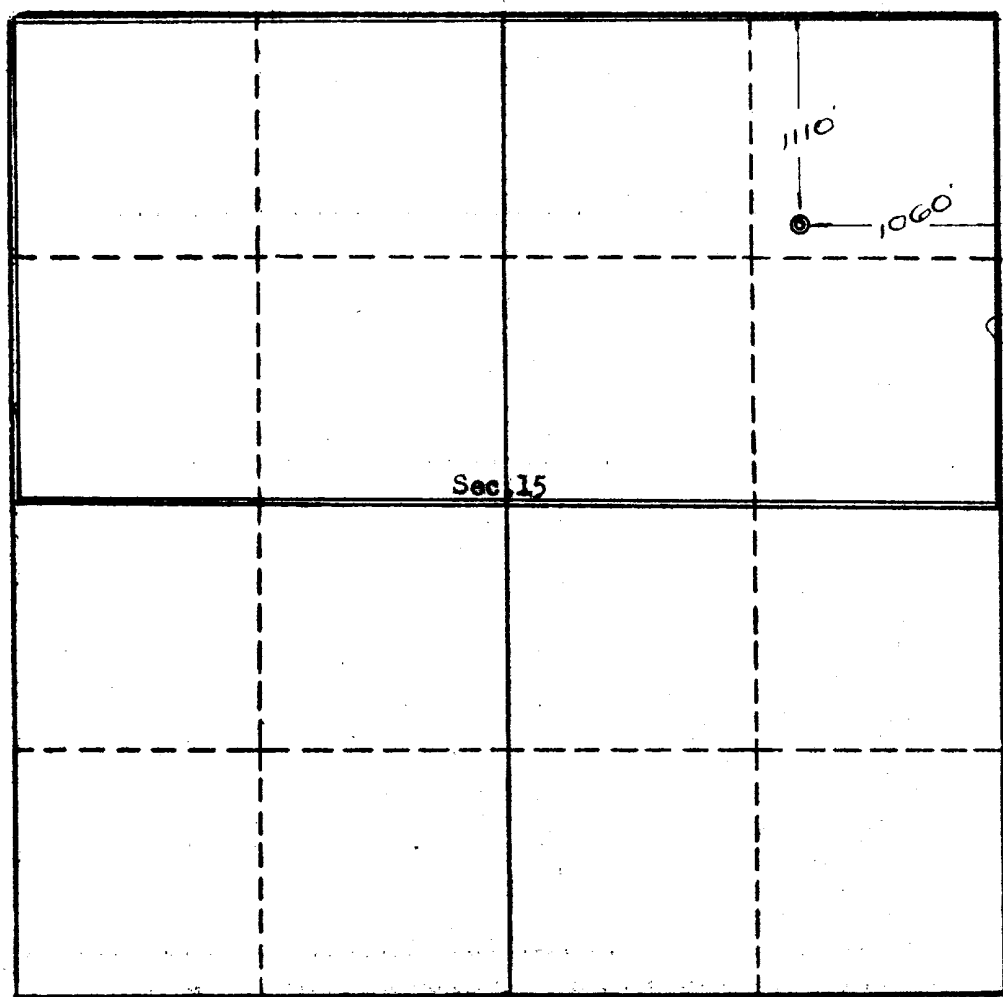
Operator Caulkins Oil Company Lease Breech "D"  
Well No. D-240 Unit Letter A Section 15 Township 26 North Range 6 West NMPM  
Located 1110 Feet From North Line, 1060 Feet From East Line  
County Rio Arriba G. L. Elevation 6902 Dedicated Acreage N<sup>1</sup> 320 Acres  
Name of Producing Formation Dakota Pool Basin Dakota

1. Is the Operator the only owner\* in the dedicated acreage outlined on the plat below? Yes XX 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.



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

Caulkins Oil Company  
(OPERATOR)  
*Frank Gray*  
(REPRESENTATIVE)

Box 780, Farmington, N.M.  
(ADDRESS)

STATE OF NEW MEXICO  
I, E. V. Calkins, do hereby 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 are true and correct to the best of my knowledge and belief.

Date Surveyed Sept. 26, 1963  
Four States Engineering Co.  
FARMINGTON, NEW MEXICO

*E. V. Calkins*  
REGISTERED ENGINEER OR  
LAND SURVEYOR

Certificate No. 3602

RECEIVED  
JUN 1 1964  
U.S. GOVERNMENT PRINTING OFFICE  
DIST. 3

U. S. LAND OFFICE New Mexico  
SERIAL NUMBER 03553  
LEASE OR PERMIT TO PROSPECT Breach "D"

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

## LOCATE WELL CORRECTLY

Company Caulkins Oil Company Address Box 780, Farmington, N. Mex.  
Lessor or Tract Breech "D" Field Basin-Dakota State New Mexico  
Well No. D-240 Sec. 15 T. 26N R. 6W Meridian NMPM County Rio Arriba  
Location 1110 ft. S. of N. Line and 1060 ft. E. of E. Line of Section 15 Elevation 6520  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Frank J. Jones

Date **January 2, 1964**

Title Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling 10-2- 1963 Finished drilling 10-22- 1963

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

No. 1, from 2900 to 2960 G. No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from 7143 to 7400 G No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_      No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_      No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

[illegible]

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 9-5/8"      | 265       | 200                    | Dowell      | 10#/gal.    | Circulated         |
| 4-1/2"      | 7409      | 650                    | Dowell      | 9.5#/gal.   | Circulated         |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from -----0----- feet to -----7410----- feet, and from ----- feet to ----- feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

-----**January 2**-----, 19**64** Put to producing -----**December 4**-----, 19**63**

The production for the first 24 hours was ----- barrels of fluid of which -----% was oil; -----% emulsion; -----% water; and -----% sediment. Gravity, °Bé. -----

If gas well, cu. ft. per 24 hours 8923 \* Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. 2215

EMPLOYEES

M. A. Williams, Driller E. W. Early, Jr., Driller

\_\_\_\_\_, Driller

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION    |
|-------|------|------------|--------------|
| 0     | 265  | 265        | Sand & Shale |
| 265   | 980  | 715        | Sand         |
| 980   | 1631 | 651        | Sand & Shale |
| 1631  | 2474 | 843        | Shale        |
| 2474  | 5543 | 3069       | Sand & Shale |
| 5543  | 7022 | 1479       | Shale        |
| 7022  | 7410 | 388        | Sand & Shale |

[OVER]

16-43094-4

| FROM-                                                                                                                           | TO-         | TOTAL FEET                                                                                                                                       | FORMATION                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Pictured cliffs<br>Cliff House<br>Menefer<br>Point Lookout<br>Locito<br>Dakota                                                  | Frac Record | Date                                                                                                                                             | Perforations                                                                                                                           |
| Gal. Water<br>40-60 sand<br>20-40 sand<br>BDP<br>TP<br>Inf. Rate<br>ISDP<br>Plush gal.<br>Chemicals<br>Equipment<br>Service Co. |             | 7150<br>7196<br>7286<br>7334<br>7354<br>7376<br>7394                                                                                             | Performing Record                                                                                                                      |
| 2900<br>4580<br>4624<br>5144<br>6646<br>7141                                                                                    |             | 2 jets per foot<br>2 jets per foot<br>4 jets per foot<br>4 jets per foot<br>4 jets per foot<br>4 jets per foot<br>4 jets per foot                |                                                                                                                                        |
| 11-14-63                                                                                                                        | 11-14-63    | Dakota<br>7334-7400                                                                                                                              | 11-14-63<br>7286-7300<br>Dakota<br>54,348<br>60,000#<br>-0-<br>1700<br>2600-3000<br>40.8 BPM<br>J-100*<br>6132<br>S Allisons<br>Dowell |
| 11-14-63                                                                                                                        | 11-14-63    | Dakota<br>7150-7200<br>Graneros<br>71,022<br>70,000#<br>20,000#<br>2700<br>2700-4100<br>43 BPM<br>2300<br>4494<br>J-100*<br>S Allisons<br>Dowell | *used 500# for all 3 sta                                                                                                               |

# HISTORY OF OIL OR GAS WELL

11-15-63 8:00 AM 8 R and J-55 4.7# tubing to 7156 w/pinned collar on bottom (246 fts.)

12-5-63 Potential Test Shut in 176 1/2 hrs. CP 2215 TP 2187 3 hr flow volume 7165 MCPPD CAOP 8923 MCPPD