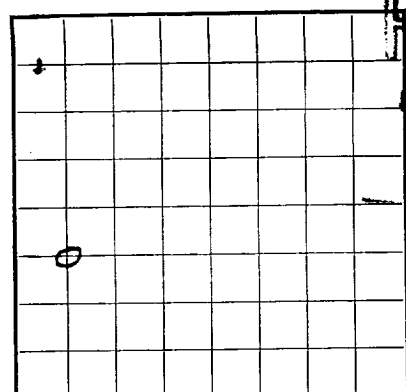


Form 9-330



**RECEIVED**  
MAR 5 1959  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 1C 062407  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY  
Name changed from WESTERN DEVELOPMENT COMPANY OF  
DELAWARE to INTERNATIONAL OIL & GAS CORPORATION  
effective December 31, 1962

**LOG OF OIL OR GAS WELL**

LOCATE WELL CORRECTLY

Company Western Development Co. of Del. Address P. O. Box 427, Artesia, N.M.  
Lessor or Tract Leonard Federal Field Grayburg Jackson State New Mexico  
Well No. 5 Sec. 33 T. 17S R. 29E Meridian NMPM County Eddy  
Location 1930 ft. N. of S. Line and 66 ft. E. of W. Line of Section 33 Elevation 3551  
(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 W. B. MayDate March 4, 1959 Title Vice President

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

Commenced drilling January 1, 1959 Finished drilling February 10, 1959**OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from 2560 to 70 No. 4, from 3000-06 to 3010-18  
No. 2, from 2630 to 36 No. 5, from 2900-10 to 2972-82  
No. 3, from 2680 to 86 No. 6, from \_\_\_\_\_ to \_\_\_\_\_

**IMPORTANT WATER SANDS**

No. 1, from None to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

**CASING RECORD**

| Size casing  | Weight per foot | Threads per inch | Make        | Amount      | Kind of shoe | Cut and pulled from | Perforated |     | Purpose           |
|--------------|-----------------|------------------|-------------|-------------|--------------|---------------------|------------|-----|-------------------|
|              |                 |                  |             |             |              |                     | From—      | To— |                   |
| <u>8 5/8</u> | <u>28</u>       | <u>8 Rd</u>      | <u>Smla</u> | <u>378</u>  | <u>Guide</u> | <u>2560-70</u>      |            |     | <u>Surface</u>    |
| <u>5 1/2</u> | <u>14</u>       | <u>8 Rd</u>      | <u>Smla</u> | <u>3101</u> | <u>Float</u> | <u>2630-36</u>      |            |     | <u>Production</u> |
|              |                 |                  |             |             |              | <u>2680-86</u>      |            |     | <u>3000-06</u>    |
|              |                 |                  |             |             |              | <u>2900-10</u>      |            |     | <u>3010-18</u>    |
|              |                 |                  |             |             |              | <u>2972-82</u>      |            |     |                   |

**MUDDING AND CEMENTING RECORD**

| Size casing  | Where set   | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|--------------|-------------|------------------------|-------------|-------------|--------------------|
| <u>8 5/8</u> | <u>378</u>  | <u>75</u>              | <u>Pump</u> | <u>—</u>    | <u>—</u>           |
| <u>5 1/2</u> | <u>3101</u> | <u>175</u>             | <u>Pump</u> | <u>—</u>    | <u>—</u>           |

**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 |
|------|--------------------|-----------------------------------------------------|----------|------|------------|-------------------|
|      | <u>See History</u> | <u>for completion data and report on fracturing</u> |          |      |            |                   |

**TOOLS USED**

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 0 feet to 3101 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**\_\_\_\_\_March 2\_\_\_\_\_, 1959 Put to producing February 15\_\_\_\_\_, 1959

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 \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

**EMPLOYEES**

Trembley\_\_\_\_\_, Driller Burkhart\_\_\_\_\_, Driller  
Morris\_\_\_\_\_, Driller (Howell Drilling Co.)\_\_\_\_\_, Driller

**FORMATION RECORD**

| FROM—       | TO—         | TOTAL FEET  | FORMATION                                       |
|-------------|-------------|-------------|-------------------------------------------------|
| <u>0</u>    | <u>55</u>   | <u>55</u>   | <u>Sand and gravel</u>                          |
| <u>55</u>   | <u>325</u>  | <u>270</u>  | <u>Anhy. and Red Bed</u>                        |
| <u>325</u>  | <u>720</u>  | <u>395</u>  | <u>Salt</u>                                     |
| <u>720</u>  | <u>1955</u> | <u>1235</u> | <u>Anhy. and red rock with few lime streaks</u> |
| <u>1955</u> | <u>2285</u> | <u>330</u>  | <u>Anhy. and lime</u>                           |
| <u>2285</u> | <u>2706</u> | <u>421</u>  | <u>Lime (Grey)</u>                              |
| <u>2706</u> | <u>2768</u> | <u>62</u>   | <u>Pink lime</u>                                |
| <u>2768</u> | <u>2897</u> | <u>129</u>  | <u>White lime</u>                               |
| <u>2897</u> | <u>3101</u> | <u>204</u>  | <u>Grey lime</u>                                |
|             |             |             | <b>TOPS:</b>                                    |
|             |             |             | <u>Top of salt 325'</u>                         |
|             |             |             | <u>Base of salt 720'</u>                        |
|             |             |             | <u>Top Queen 1924'</u>                          |
|             |             |             | <u>Top San Andres 2758'</u>                     |

[OVER]

16-43094-4

0201 7 3AM

100-443184

We drilled to T. D. 3101 and ran 1 1/2" casing 175 sax. Ran Gamma Ray - Neutron log to T. 3010-18', 3000-06', 2972-82' and treated these crude oil and 12,250 lbs. sand, using 275 gals. rubber balls during treatment. Set Bridge Plug 2900-10' and got pressure indicating communication. Bridge Plug at 2700' and perforated 2680-86', 86 gals. acid, 10,000 gals. lease crude oil and injected 24 rubber balls during treatment. Set B perforated 2560-70' and treated with 24,000 gals. Drilled out Bridge Plugs and ran 2" tubing to 2

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

# HISTORY OF OIL & GAS WELLS

U. S. GOVERNMENT PRINTING OFFICE 16-43094-2

[illegible]