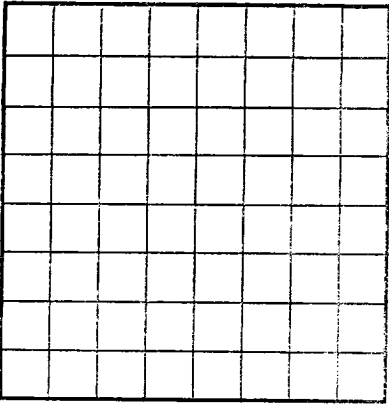


Form 9-330

U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 029395 (b)  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_  
Mancil E. Turner

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY  
Southern Production Company, Inc.  
Company (Danciger Oil & Refining Company) Address P. O. Box 670, Fort Worth, Texas  
Lessor or Tract United States Field Jackson State New Mexico  
Well No. 10-B Sec. 20 T. 17S R. 31E Meridian NMPM County Eddy  
Location 1980 ft. {S.} of N Line and 1980 ft. {E.} of E Line of Sec. 20, S. NE Elevation 3677.64  
(Derivative 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.

Date NOV 14 1942 Signed [Signature] Title Agent

The summary on this page is for the condition of the well at above date.  
Commenced drilling October 22, 1942 Finished drilling December 14, 1942

OIL OR GAS SANDS OR ZONES  
(Denote gas by G)

No. 1, from 1930-50 Oil to \_\_\_\_\_ No. 4, from 2894-2905 Oil to \_\_\_\_\_  
No. 2, from 2710-25 Gas to \_\_\_\_\_ No. 5, from 3080-85 Gas to \_\_\_\_\_  
No. 3, from 2797-2802 Gas to \_\_\_\_\_ No. 6, from 3403-26 O&G to \_\_\_\_\_  
No. 3, from 2825 Gas to \_\_\_\_\_ No. 6, from 3438-49 O&G 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>8-1/4"</u> | <u>24#</u>      |                  |      | <u>528</u>  |              |                     |            |     |         |
| <u>7"</u>     | <u>20#</u>      |                  |      | <u>2812</u> |              |                     |            |     |         |
|               |                 |                  |      |             |              |                     |            |     |         |
|               |                 |                  |      |             |              |                     |            |     |         |
|               |                 |                  |      |             |              |                     |            |     |         |
|               |                 |                  |      |             |              |                     |            |     |         |
|               |                 |                  |      |             |              |                     |            |     |         |
|               |                 |                  |      |             |              |                     |            |     |         |
|               |                 |                  |      |             |              |                     |            |     |         |

MUDDING AND CEMENTING RECORD

| Size casing   | Where set   | Number sacks of cement | Method used        | Mud gravity | Amount of mud used |
|---------------|-------------|------------------------|--------------------|-------------|--------------------|
| <u>8-1/4"</u> | <u>528</u>  | <u>50</u>              | <u>Halliburton</u> |             |                    |
| <u>7"</u>     | <u>2812</u> | <u>100</u>             | <u>Halliburton</u> |             | <u>5 tons</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>Acidized</u> | <u>with 3000 gallons from 3418 to 3365</u> | <u>(packer set at 3418)</u> |          |      |            |                   |
| <u>Acidized</u> | <u>with 1000 gallons from 3448 to 3438</u> | <u>(packer set at 3422)</u> |          |      |            |                   |
|                 |                                            |                             |          |      |            |                   |
|                 |                                            |                             |          |      |            |                   |
|                 |                                            |                             |          |      |            |                   |
|                 |                                            |                             |          |      |            |                   |
|                 |                                            |                             |          |      |            |                   |
|                 |                                            |                             |          |      |            |                   |
|                 |                                            |                             |          |      |            |                   |

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from surface feet to 3450 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

December 19, 1942 Put to producing February 4, 1943  
The production for the first 24 hours was 40 barrels of fluid of which 100 % was oil; no % emulsion; no % water; and no % sediment. Gravity, °Bé. 37

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

Kersey & Co., Driller \_\_\_\_\_, Driller  
Artesia, New Mexico, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM—       | TO—         | TOTAL FEET | FORMATION                                |
|-------------|-------------|------------|------------------------------------------|
| <u>0</u>    | <u>40</u>   |            | <u>Sand</u>                              |
| <u>40</u>   | <u>100</u>  |            | <u>Red beds</u>                          |
| <u>100</u>  | <u>195</u>  |            | <u>Red Sand</u>                          |
| <u>195</u>  | <u>295</u>  |            | <u>Red bed</u>                           |
| <u>295</u>  | <u>325</u>  |            | <u>Red bed</u>                           |
| <u>325</u>  | <u>345</u>  |            | <u>Red sand</u>                          |
| <u>345</u>  | <u>365</u>  |            | <u>Red rock</u>                          |
| <u>365</u>  | <u>400</u>  |            | <u>Gyp</u>                               |
| <u>400</u>  | <u>440</u>  |            | <u>Red bed</u>                           |
| <u>440</u>  | <u>480</u>  |            | <u>Red bed and anhydrite</u>             |
| <u>480</u>  | <u>510</u>  |            | <u>Red bed</u>                           |
| <u>510</u>  | <u>525</u>  |            | <u>Salt</u>                              |
| <u>528</u>  | <u>1250</u> |            | <u>Salt</u>                              |
| <u>1250</u> | <u>1295</u> |            | <u>anhydrite</u>                         |
| <u>1295</u> | <u>1315</u> |            | <u>Red bed</u>                           |
| <u>1315</u> | <u>1425</u> |            | <u>Anhydrite</u>                         |
| <u>1425</u> | <u>1470</u> |            | <u>Anhydrite and red rock</u>            |
| <u>1470</u> | <u>1510</u> |            | <u>Anhydrite, broken red sandy shale</u> |
| <u>1510</u> | <u>1545</u> |            | <u>Anhydrite and red shale</u>           |
| <u>1545</u> | <u>1555</u> |            | <u>Anhydrite</u>                         |
| <u>1555</u> | <u>1565</u> |            | <u>Broken Anhydrite, red rock</u>        |
| <u>1565</u> | <u>1595</u> |            | <u>Anhydrite</u>                         |
| <u>1595</u> | <u>1635</u> |            | <u>Anhydrite and red beds</u>            |
| <u>1635</u> | <u>1665</u> |            | <u>Anhydrite</u>                         |
| <u>1665</u> | <u>1695</u> |            | <u>Red beds, anhydrite, shells</u>       |

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.

| FROM— | TO—  | TOTAL FEET | FORMATION                                                           |
|-------|------|------------|---------------------------------------------------------------------|
| 1695  | 1725 | 30         | Red beds and anhydrite                                              |
| 1725  | 2345 | 620        | Anhydrite (Show of oil 1930 to 1950)                                |
| 2345  | 2372 | 27         | Red Sand                                                            |
| 2372  | 2380 | 8          | Anhydrite                                                           |
| 2380  | 2405 | 25         | Anhydrite grey                                                      |
| 2405  | 2665 | 265        | Anhydrite                                                           |
| 2665  | 2670 | 5          | Lime                                                                |
| 2670  | 2687 | 17         | Anhydrite                                                           |
| 2687  | 2693 | 6          | Grey Lime                                                           |
| 2693  | 2788 | 95         | Lime and brown Lime (Show gas 2710-2725)                            |
| 2788  | 2797 | 9          | Grey Lime                                                           |
| 2797  | 2802 | 5          | Sandy Lime                                                          |
| 2802  | 2845 | 43         | Lime (Increase in gas at 2797-2802, Grey Lime (Show of gas at 2825) |
| 2845  | 2859 | 14         | Lime (Show of oil)                                                  |
| 2859  | 2930 | 71         | Lime, grey, hard                                                    |
| 2930  | 2871 | 59         | Brown Lime                                                          |
| 2871  | 2958 | 87         | Lime, grey and brown                                                |
| 2958  | 2975 | 17         | Lime                                                                |
| 2975  | 3007 | 32         | Grey Lime                                                           |
| 3007  | 3019 | 12         | Lime                                                                |
| 3019  | 3089 | 70         | Grey Lime (Small increase in gas 80 to 85)                          |
| 3089  | 3210 | 121        | Lime                                                                |
| 3210  | 3224 | 14         | Grey Lime                                                           |
| 3224  | 3237 | 13         | White Lime                                                          |
| 3237  | 3375 | 138        | Lime white                                                          |
| 3375  | 3403 | 28         | White Lime                                                          |
| 3403  | 3412 | 9          | Lime (Oil pay, small increase in gas)                               |
| 3412  | 3426 | 14         | Lime, medium soft                                                   |
| 3426  | 3441 | 15         | Lime                                                                |
| 3441  | 3449 | 8          | Medium soft Lime                                                    |
| 3449  | 3450 | 1          | Hard Lime (Increase oil & gas 3438-49)                              |
| 3450  |      |            | Total depth                                                         |

HISTORY OF OIL OR GAS WELL