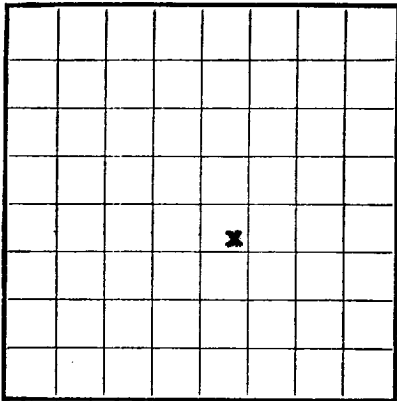


## DRINKARD COMPLETION

udget Bureau No. 42-R-355.3.  
Approval expires 12-31-55.U. S. LAND OFFICE New MexicoSERIAL NUMBER 0766LEASE OR PERMIT TO PROSPECT Carlson "A"

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company Anderson-Prichard Oil Corporation Address Box 196, Midland, Texas  
Lessor or Tract Carlson "A" Field Justis Drinkard State New Mexico  
Well No. 1 Sec. 25 T. 25S R. 37E Meridian NM County Lee  
Location 2310 ft.  $\left[ \begin{smallmatrix} N \\ X \end{smallmatrix} \right]$  of 8 Line and 2310 ft.  $\left[ \begin{smallmatrix} E \\ W \end{smallmatrix} \right]$  of 8 Line of Section Elevation 3070  
(Derriet 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 R. W. MauryDate May 18, 1959Title District Engineer

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

Commenced drilling February 20, 1959 Finished drilling March 26, 1959

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5848' to 5906' No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ 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

| Size casing                | Weight per foot | Threads per inch | Make | Amount | Kind of pipe | Ct and d. and from | Perforated |     | Purpose      |
|----------------------------|-----------------|------------------|------|--------|--------------|--------------------|------------|-----|--------------|
|                            |                 |                  |      |        |              |                    | From—      | To— |              |
| 13-3/8                     | 484             | 8 rd             | E-40 | 573'   | Guide        |                    |            |     | Surface      |
| 9-5/8                      | 32              | 8 rd             | E-40 | 1850'  | Guide        |                    |            |     | Intermediate |
| 7"                         | 20              | 8 rd             | E-40 | 6953'  | Guide        |                    |            |     | Production   |
| HISTORY OF OIL OR GAS WELL |                 |                  |      |        |              |                    |            |     |              |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 13-3/8      | 573       | 450                    | Pump & Plug |             |                    |
| 9-5/8       | 3273      | 1850                   | Pump & Plug |             |                    |
| 7"          | 6953      | 500                    | Pump & Plug |             |                    |

## 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 6954 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

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

## DATES

\_\_\_\_\_ May 18, 19 59 Put to producing \_\_\_\_\_ May 14, 19 59The production for the first 24 hours was 88.28 barrels of fluid of which 99.6% was oil; \_\_\_\_\_% emulsion; .04% water; and \_\_\_\_\_% sediment. Gravity, °Bé. 36.7

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

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

## EMPLOYEES

\_\_\_\_\_ W. V. Gray, Driller \_\_\_\_\_ B. E. Massey, Driller\_\_\_\_\_ J. C. Yocom, Driller \_\_\_\_\_ J. D. Griffin, Driller

## FORMATION RECORD

| FROM—             | TO—  | TOTAL FEET | FORMATION         |
|-------------------|------|------------|-------------------|
| 0                 | 240  | 240        | Caliche           |
| 240               | 1500 | 1260       | Redbed            |
| 1500              | 1650 | 150        | Anky & Gyp        |
| 1650              | 2107 | 457        | Anky, Gyp & Salt  |
| 2107              | 3276 | 1169       | Lime & Gyp        |
| 3276              | 3900 | 624        | Lime              |
| 3900              | 4010 | 20         | Lime & Sand       |
| 4010              | 6900 | 2890       | Lime              |
| 6900              | 6954 | 54         | Dolomite & chert  |
| Electric Log Tops |      |            |                   |
|                   |      |            | T. Yates 2295     |
|                   |      |            | T. Glorietta 4607 |
|                   |      |            | T. Tubb 5617      |
|                   |      |            | T. Drinkard 5850  |
|                   |      |            | T. Fusselman 6785 |

ILLEGIBLE

LOG OF OIL OR GAS WELL

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. There are no markings or text on the page.

LOCATE WELL CORRECTLY

Company, Industrious Petroleum Co., Houston, Texas  
 Lessor or Tract, Section 34, Township 35N, Range 12E, Meridian 10W  
 Field, Ward's Trunk State, Arkansas  
 County, Miller  
 Well No., 251 R. 251 R. 251 R. 251 R. 251 R.  
 Location, 1/2 of 1/2 Line and 251 R. 251 R. 251 R. 251 R. 251 R. of 1/2 Line of Section 34  
 Elevation, 400 (Elevation to sea level)  
 The information given herewith is a complete and correct record of the well and all work done thereon  
 as far as can be determined from all available records.  
 Signed, Industrious Petroleum Co.  
 Date, May 15, 1925  
 Title, Assistant Engineer

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

| Well No. | Location | Drilling Date | Drilling Description |
|----------|----------|---------------|----------------------|
| 10       | ...      | ...           | Completed drilling   |
| 11       | ...      | ...           | Completed drilling   |
| 12       | ...      | ...           | Completed drilling   |
| 13       | ...      | ...           | Completed drilling   |
| 14       | ...      | ...           | Completed drilling   |
| 15       | ...      | ...           | Completed drilling   |
| 16       | ...      | ...           | Completed drilling   |
| 17       | ...      | ...           | Completed drilling   |
| 18       | ...      | ...           | Completed drilling   |
| 19       | ...      | ...           | Completed drilling   |
| 20       | ...      | ...           | Completed drilling   |
| 21       | ...      | ...           | Completed drilling   |
| 22       | ...      | ...           | Completed drilling   |
| 23       | ...      | ...           | Completed drilling   |
| 24       | ...      | ...           | Completed drilling   |
| 25       | ...      | ...           | Completed drilling   |
| 26       | ...      | ...           | Completed drilling   |
| 27       | ...      | ...           | Completed drilling   |
| 28       | ...      | ...           | Completed drilling   |
| 29       | ...      | ...           | Completed drilling   |
| 30       | ...      | ...           | Completed drilling   |
| 31       | ...      | ...           | Completed drilling   |
| 32       | ...      | ...           | Completed drilling   |
| 33       | ...      | ...           | Completed drilling   |
| 34       | ...      | ...           | Completed drilling   |
| 35       | ...      | ...           | Completed drilling   |
| 36       | ...      | ...           | Completed drilling   |
| 37       | ...      | ...           | Completed drilling   |
| 38       | ...      | ...           | Completed drilling   |
| 39       | ...      | ...           | Completed drilling   |
| 40       | ...      | ...           | Completed drilling   |
| 41       | ...      | ...           | Completed drilling   |
| 42       | ...      | ...           | Completed drilling   |
| 43       | ...      | ...           | Completed drilling   |
| 44       | ...      | ...           | Completed drilling   |
| 45       | ...      | ...           | Completed drilling   |
| 46       | ...      | ...           | Completed drilling   |
| 47       | ...      | ...           | Completed drilling   |
| 48       | ...      | ...           | Completed drilling   |
| 49       | ...      | ...           | Completed drilling   |
| 50       | ...      | ...           | Completed drilling   |
| 51       | ...      | ...           | Completed drilling   |
| 52       | ...      | ...           | Completed drilling   |
| 53       | ...      | ...           | Completed drilling   |
| 54       | ...      | ...           | Completed drilling   |
| 55       | ...      | ...           | Completed drilling   |
| 56       | ...      | ...           | Completed drilling   |
| 57       | ...      | ...           | Completed drilling   |
| 58       | ...      | ...           | Completed drilling   |
| 59       | ...      | ...           | Completed drilling   |
| 60       | ...      | ...           | Completed drilling   |
| 61       | ...      | ...           | Completed drilling   |
| 62       | ...      | ...           | Completed drilling   |
| 63       | ...      | ...           | Completed drilling   |
| 64       | ...      | ...           | Completed drilling   |
| 65       | ...      | ...           | Completed drilling   |
| 66       | ...      | ...           | Completed drilling   |
| 67       | ...      | ...           | Completed drilling   |
| 68       | ...      | ...           | Completed drilling   |
| 69       | ...      | ...           | Completed drilling   |
| 70       | ...      | ...           | Completed drilling   |
| 71       | ...      | ...           | Completed drilling   |
| 72       | ...      | ...           | Completed drilling   |
| 73       | ...      | ...           | Completed drilling   |
| 74       | ...      | ...           | Completed drilling   |
| 75       | ...      | ...           | Completed drilling   |
| 76       | ...      | ...           | Completed drilling   |
| 77       | ...      | ...           | Completed drilling   |
| 78       | ...      | ...           | Completed drilling   |
| 79       | ...      | ...           | Completed drilling   |
| 80       | ...      | ...           | Completed drilling   |
| 81       | ...      | ...           | Completed drilling   |
| 82       | ...      | ...           | Completed drilling   |
| 83       | ...      | ...           | Completed drilling   |
| 84       | ...      | ...           | Completed drilling   |
| 85       | ...      | ...           | Completed drilling   |
| 86       | ...      | ...           | Completed drilling   |
| 87       | ...      | ...           | Completed drilling   |
| 88       | ...      | ...           | Completed drilling   |
| 89       | ...      | ...           | Completed drilling   |
| 90       | ...      | ...           | Completed drilling   |
| 91       | ...      | ...           | Completed drilling   |
| 92       | ...      | ...           | Completed drilling   |
| 93       | ...      | ...           | Completed drilling   |
| 94       | ...      | ...           | Completed drilling   |
| 95       | ...      | ...           | Completed drilling   |
| 96       | ...      | ...           | Completed drilling   |
| 97       | ...      | ...           | Completed drilling   |
| 98       | ...      | ...           | Completed drilling   |
| 99       | ...      | ...           | Completed drilling   |
| 100      | ...      | ...           | Completed drilling   |

OIL OR GAS SANDS OR ZONES

(b) and (c) are stored in

|             |    |      |             |    |
|-------------|----|------|-------------|----|
| No. 1, from | to | 1931 | No. 1, from | to |
| No. 2, from | to |      | No. 2, from | to |
| No. 3, from | to |      | No. 3, from | to |
| No. 4, from | to |      | No. 4, from | to |

IMPORTANT WATER SANDS

~~SECRET~~

CASING RECORD

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 the results. If there were any changes made in the casing, specify, and if any changes were made in the well, specify size and location. If the well has been dynamited, give date, size, position, and results of dynamiting. If plugs or bridges were placed to restrict flow, state kind of material used, position, and results of pumping or pulling of plugs.

## HISTORY OF OIL OR GAS WELL

NUDDING AND CEMENTING RECORD

[illegible]

## PLUGS AND ADAPTERS

[illegible]

## SHOOTING RECORD

[illegible]

TOOLS USED

|         |                |                |                            |
|---------|----------------|----------------|----------------------------|
| of 1991 | most bus, fuel | of fuel        | most bus new fleet vehicle |
| 1991    | to 1991        | fuel bus, most | from fleet new bus 1991    |

DATE

|                                                                                          |                          |                                         |
|------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------|
| It gas well out ft. per 24 hours                                                         |                          | Gallons gasoline per 1000 cu ft. of gas |
|                                                                                          | % water; and % sediment. | Gravity, °Bé.                           |
| The production for the first 24 hours was _____ barrels of fluid of which _____ was oil; |                          | But no producing _____                  |
| Very low _____                                                                           |                          |                                         |

EMPHY 019ME

|         |         |         |         |
|---------|---------|---------|---------|
| Driller | Driller | Driller | Driller |
| Driller | Driller | Driller | Driller |

FORMATION RECORD

| FROM - | TO - | THRU DATE | FORMATION |
|--------|------|-----------|-----------|
| 1951   | 1951 | 1951      | 1951      |
| 1952   | 1952 | 1952      | 1952      |
| 1953   | 1953 | 1953      | 1953      |
| 1954   | 1954 | 1954      | 1954      |
| 1955   | 1955 | 1955      | 1955      |
| 1956   | 1956 | 1956      | 1956      |
| 1957   | 1957 | 1957      | 1957      |
| 1958   | 1958 | 1958      | 1958      |
| 1959   | 1959 | 1959      | 1959      |
| 1960   | 1960 | 1960      | 1960      |
| 1961   | 1961 | 1961      | 1961      |
| 1962   | 1962 | 1962      | 1962      |
| 1963   | 1963 | 1963      | 1963      |
| 1964   | 1964 | 1964      | 1964      |
| 1965   | 1965 | 1965      | 1965      |
| 1966   | 1966 | 1966      | 1966      |
| 1967   | 1967 | 1967      | 1967      |
| 1968   | 1968 | 1968      | 1968      |
| 1969   | 1969 | 1969      | 1969      |
| 1970   | 1970 | 1970      | 1970      |
| 1971   | 1971 | 1971      | 1971      |
| 1972   | 1972 | 1972      | 1972      |
| 1973   | 1973 | 1973      | 1973      |
| 1974   | 1974 | 1974      | 1974      |
| 1975   | 1975 | 1975      | 1975      |
| 1976   | 1976 | 1976      | 1976      |
| 1977   | 1977 | 1977      | 1977      |
| 1978   | 1978 | 1978      | 1978      |
| 1979   | 1979 | 1979      | 1979      |
| 1980   | 1980 | 1980      | 1980      |
| 1981   | 1981 | 1981      | 1981      |
| 1982   | 1982 | 1982      | 1982      |
| 1983   | 1983 | 1983      | 1983      |
| 1984   | 1984 | 1984      | 1984      |
| 1985   | 1985 | 1985      | 1985      |
| 1986   | 1986 | 1986      | 1986      |
| 1987   | 1987 | 1987      | 1987      |
| 1988   | 1988 | 1988      | 1988      |
| 1989   | 1989 | 1989      | 1989      |
| 1990   | 1990 | 1990      | 1990      |
| 1991   | 1991 | 1991      | 1991      |
| 1992   | 1992 | 1992      | 1992      |
| 1993   | 1993 | 1993      | 1993      |
| 1994   | 1994 | 1994      | 1994      |
| 1995   | 1995 | 1995      | 1995      |
| 1996   | 1996 | 1996      | 1996      |
| 1997   | 1997 | 1997      | 1997      |
| 1998   | 1998 | 1998      | 1998      |
| 1999   | 1999 | 1999      | 1999      |
| 2000   | 2000 | 2000      | 2000      |
| 2001   | 2001 | 2001      | 2001      |
| 2002   | 2002 | 2002      | 2002      |
| 2003   | 2003 | 2003      | 2003      |
| 2004   | 2004 | 2004      | 2004      |
| 2005   | 2005 | 2005      | 2005      |
| 2006   | 2006 | 2006      | 2006      |
| 2007   | 2007 | 2007      | 2007      |
| 2008   | 2008 | 2008      | 2008      |
| 2009   | 2009 | 2009      | 2009      |
| 2010   | 2010 | 2010      | 2010      |
| 2011   | 2011 | 2011      | 2011      |
| 2012   | 2012 | 2012      | 2012      |
| 2013   | 2013 | 2013      | 2013      |
| 2014   | 2014 | 2014      | 2014      |
| 2015   | 2015 | 2015      | 2015      |
| 2016   | 2016 | 2016      | 2016      |
| 2017   | 2017 | 2017      | 2017      |
| 2018   | 2018 | 2018      | 2018      |
| 2019   | 2019 | 2019      | 2019      |
| 2020   | 2020 | 2020      | 2020      |
| 2021   | 2021 | 2021      | 2021      |
| 2022   | 2022 | 2022      | 2022      |
| 2023   | 2023 | 2023      | 2023      |
| 2024   | 2024 | 2024      | 2024      |
| 2025   | 2025 | 2025      | 2025      |
| 2026   | 2026 | 2026      | 2026      |
| 2027   | 2027 | 2027      | 2027      |
| 2028   | 2028 | 2028      | 2028      |
| 2029   | 2029 | 2029      | 2029      |
| 2030   | 2030 | 2030      | 2030      |
| 2031   | 2031 | 2031      | 2031      |
| 2032   | 2032 | 2032      | 2032      |
| 2033   | 2033 | 2033      | 2033      |
| 2034   | 2034 | 2034      | 2034      |
| 2035   | 2035 | 2035      | 2035      |
| 2036   | 2036 | 2036      | 2036      |

**FORMATION RECORD—Continued**

## NOTATION

The figure consists of two separate line graphs, labeled (a) and (b), each showing the relationship between temperature and the rate of reaction.

Graph (a) has a y-axis labeled 'Rate of reaction' and an x-axis labeled 'Temperature'. The curve starts at a low rate at low temperatures, rises to a peak at 30°C, and then declines as the temperature continues to increase.

Graph (b) also has a y-axis labeled 'Rate of reaction' and an x-axis labeled 'Temperature'. The curve starts at a low rate at low temperatures, rises steadily, and then levels off (becomes horizontal) at 40°C, indicating that the reaction rate has reached a maximum and is no longer affected by further increases in temperature.

## LEET TALK

—

—WOLF