

U. S. LAND OFFICE *Land Office*SERIAL NUMBER *201310*

LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Morris R. Antweil** Address **Box 1058, Hobbs, New Mexico**  
Lessor or Tract **Federal Yates** Field \_\_\_\_\_ State \_\_\_\_\_  
Well No. **2** Sec. **33** T. **14** R. **31** Meridian \_\_\_\_\_ County **Chaves**  
Location **1980** ft. **N.** of **S** Line and **1980** ft. **E.** of **E** Line of **Sec. 33** Elevation \_\_\_\_\_  
(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 \_\_\_\_\_

Date \_\_\_\_\_

Title \_\_\_\_\_

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

Commenced drilling **April 7,** 19**55** Finished drilling **April 24,** 19**55**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3096.5** to **3109'** 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 **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 Tub.    | Amount     | Kind of shoe | Cut and pulled from | Perforated |     | Purpose           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|--------------|------------|--------------|---------------------|------------|-----|-------------------|
|                                                                                                                                                                                                                                                                                                                    |                 |                  |              |            |              |                     | From—      | To— |                   |
| <b>9"</b>                                                                                                                                                                                                                                                                                                          | <b>40#</b>      | <b>8 rd</b>      | <b>Nat'l</b> | <b>306</b> | <b>T.P.</b>  | <b>---</b>          |            |     |                   |
| <b>5 1/2"</b>                                                                                                                                                                                                                                                                                                      | <b>15.5#</b>    | <b>8 rd</b>      | <b>Nat'l</b> | <b>314</b> | <b>---</b>   | <b>---</b>          |            |     | <b>Production</b> |
| It is of the greatest importance to have a complete history of the well. Please state in detail the dates of requiring, receiving, and installing casing, and the reasons for the work and the results. If there were any changes made in the casing, state when, and if any casing was added, state when and why. |                 |                  |              |            |              |                     |            |     |                   |
| 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 |
|---------------|-------------|------------------------|------------------------|----------------------|--------------------|
| <b>9"</b>     | <b>314</b>  | <b>150</b>             | <b>Pump &amp; Plug</b> | <b>9# per gal.</b>   | <b>60 sacks</b>    |
| <b>5 1/2"</b> | <b>3122</b> | <b>100</b>             | <b>Pump &amp; Plug</b> | <b>10.5# per gal</b> | <b>Native</b>      |

## PLUGS AND ADAPTERS

Heaving plug—Material **None** Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material **None** Size \_\_\_\_\_

## SHOOTING RECORD

| Size              | Shell used              | Explosive used | Quantity         | Date | Depth shot | Depth cleaned out |
|-------------------|-------------------------|----------------|------------------|------|------------|-------------------|
| <b>Perforated</b> | <b>6 shots per foot</b> | <b>bullets</b> | <b>3104-3109</b> |      |            |                   |

## TOOLS USED

Rotary tools were used from **0** feet to **3122** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

Put to producing **April 24,** 19**55**

The production for the first 24 hours was **504** barrels of fluid of which **100%** was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. **30**

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

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

## EMPLOYEES

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

## FORMATION RECORD

| FROM—         | TO—           | TOTAL FEET  | FORMATION                                    |
|---------------|---------------|-------------|----------------------------------------------|
| <b>2140</b>   | <b>2170</b>   | <b>30</b>   | <b>Salt</b>                                  |
| <b>2170</b>   | <b>2310</b>   | <b>40</b>   | <b>Anhy, salt &amp; red &amp; gray shale</b> |
| <b>2310</b>   | <b>2460</b>   | <b>150'</b> | <b>Sand &amp; anhy w/red shale</b>           |
| <b>2460</b>   | <b>3096</b>   | <b>636'</b> | <b>Anhy w/beds of salt, sand &amp; shale</b> |
| <b>3096.5</b> | <b>3109</b>   | <b>12.5</b> | <b>Oil Sand</b>                              |
| <b>3109</b>   | <b>3116.5</b> | <b>7.5</b>  | <b>Hard dolomite red shales</b>              |
| <b>3116.5</b> | <b>3117</b>   | <b>1/2</b>  | <b>Dense dolomite anhy.</b>                  |

[OVER]

16-43004-3

FORMATION RECORD—Continued

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

TO-  
FROM-  
TOTAL-FEE

FORMATION

Address

Location of well

Well No.

Driller

Owner

State

OIL OR GAS SANDS OR ZONES

IMPORTANT WATER SANDS

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 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 OR GAS WELL

10-43064-2 U. S. GOVERNMENT PRINTING OFFICE

| DATE | DEPTH | TOOL USED       | REMARKS                           |
|------|-------|-----------------|-----------------------------------|
| 1900 | 0     | 1 1/2 in. drill | Drilled 10 ft. to 1 1/2 in. drill |
| 1901 | 10    | 2 in. drill     | Drilled 10 ft. to 2 in. drill     |
| 1902 | 20    | 3 in. drill     | Drilled 10 ft. to 3 in. drill     |
| 1903 | 30    | 4 in. drill     | Drilled 10 ft. to 4 in. drill     |
| 1904 | 40    | 5 in. drill     | Drilled 10 ft. to 5 in. drill     |
| 1905 | 50    | 6 in. drill     | Drilled 10 ft. to 6 in. drill     |
| 1906 | 60    | 7 in. drill     | Drilled 10 ft. to 7 in. drill     |
| 1907 | 70    | 8 in. drill     | Drilled 10 ft. to 8 in. drill     |
| 1908 | 80    | 9 in. drill     | Drilled 10 ft. to 9 in. drill     |
| 1909 | 90    | 10 in. drill    | Drilled 10 ft. to 10 in. drill    |
| 1910 | 100   | 11 in. drill    | Drilled 10 ft. to 11 in. drill    |
| 1911 | 110   | 12 in. drill    | Drilled 10 ft. to 12 in. drill    |
| 1912 | 120   | 13 in. drill    | Drilled 10 ft. to 13 in. drill    |
| 1913 | 130   | 14 in. drill    | Drilled 10 ft. to 14 in. drill    |
| 1914 | 140   | 15 in. drill    | Drilled 10 ft. to 15 in. drill    |
| 1915 | 150   | 16 in. drill    | Drilled 10 ft. to 16 in. drill    |
| 1916 | 160   | 17 in. drill    | Drilled 10 ft. to 17 in. drill    |
| 1917 | 170   | 18 in. drill    | Drilled 10 ft. to 18 in. drill    |
| 1918 | 180   | 19 in. drill    | Drilled 10 ft. to 19 in. drill    |
| 1919 | 190   | 20 in. drill    | Drilled 10 ft. to 20 in. drill    |
| 1920 | 200   | 21 in. drill    | Drilled 10 ft. to 21 in. drill    |
| 1921 | 210   | 22 in. drill    | Drilled 10 ft. to 22 in. drill    |
| 1922 | 220   | 23 in. drill    | Drilled 10 ft. to 23 in. drill    |
| 1923 | 230   | 24 in. drill    | Drilled 10 ft. to 24 in. drill    |
| 1924 | 240   | 25 in. drill    | Drilled 10 ft. to 25 in. drill    |
| 1925 | 250   | 26 in. drill    | Drilled 10 ft. to 26 in. drill    |
| 1926 | 260   | 27 in. drill    | Drilled 10 ft. to 27 in. drill    |
| 1927 | 270   | 28 in. drill    | Drilled 10 ft. to 28 in. drill    |
| 1928 | 280   | 29 in. drill    | Drilled 10 ft. to 29 in. drill    |
| 1929 | 290   | 30 in. drill    | Drilled 10 ft. to 30 in. drill    |
| 1930 | 300   | 31 in. drill    | Drilled 10 ft. to 31 in. drill    |
| 1931 | 310   | 32 in. drill    | Drilled 10 ft. to 32 in. drill    |
| 1932 | 320   | 33 in. drill    | Drilled 10 ft. to 33 in. drill    |
| 1933 | 330   | 34 in. drill    | Drilled 10 ft. to 34 in. drill    |
| 1934 | 340   | 35 in. drill    | Drilled 10 ft. to 35 in. drill    |
| 1935 | 350   | 36 in. drill    | Drilled 10 ft. to 36 in. drill    |
| 1936 | 360   | 37 in. drill    | Drilled 10 ft. to 37 in. drill    |
| 1937 | 370   | 38 in. drill    | Drilled 10 ft. to 38 in. drill    |
| 1938 | 380   | 39 in. drill    | Drilled 10 ft. to 39 in. drill    |
| 1939 | 390   | 40 in. drill    | Drilled 10 ft. to 40 in. drill    |
| 1940 | 400   | 41 in. drill    | Drilled 10 ft. to 41 in. drill    |
| 1941 | 410   | 42 in. drill    | Drilled 10 ft. to 42 in. drill    |
| 1942 | 420   | 43 in. drill    | Drilled 10 ft. to 43 in. drill    |
| 1943 | 430   | 44 in. drill    | Drilled 10 ft. to 44 in. drill    |
| 1944 | 440   | 45 in. drill    | Drilled 10 ft. to 45 in. drill    |
| 1945 | 450   | 46 in. drill    | Drilled 10 ft. to 46 in. drill    |
| 1946 | 460   | 47 in. drill    | Drilled 10 ft. to 47 in. drill    |
| 1947 | 470   | 48 in. drill    | Drilled 10 ft. to 48 in. drill    |
| 1948 | 480   | 49 in. drill    | Drilled 10 ft. to 49 in. drill    |
| 1949 | 490   | 50 in. drill    | Drilled 10 ft. to 50 in. drill    |
| 1950 | 500   | 51 in. drill    | Drilled 10 ft. to 51 in. drill    |
| 1951 | 510   | 52 in. drill    | Drilled 10 ft. to 52 in. drill    |
| 1952 | 520   | 53 in. drill    | Drilled 10 ft. to 53 in. drill    |
| 1953 | 530   | 54 in. drill    | Drilled 10 ft. to 54 in. drill    |
| 1954 | 540   | 55 in. drill    | Drilled 10 ft. to 55 in. drill    |
| 1955 | 550   | 56 in. drill    | Drilled 10 ft. to 56 in. drill    |
| 1956 | 560   | 57 in. drill    | Drilled 10 ft. to 57 in. drill    |
| 1957 | 570   | 58 in. drill    | Drilled 10 ft. to 58 in. drill    |
| 1958 | 580   | 59 in. drill    | Drilled 10 ft. to 59 in. drill    |
| 1959 | 590   | 60 in. drill    | Drilled 10 ft. to 60 in. drill    |
| 1960 | 600   | 61 in. drill    | Drilled 10 ft. to 61 in. drill    |
| 1961 | 610   | 62 in. drill    | Drilled 10 ft. to 62 in. drill    |
| 1962 | 620   | 63 in. drill    | Drilled 10 ft. to 63 in. drill    |
| 1963 | 630   | 64 in. drill    | Drilled 10 ft. to 64 in. drill    |
| 1964 | 640   | 65 in. drill    | Drilled 10 ft. to 65 in. drill    |
| 1965 | 650   | 66 in. drill    | Drilled 10 ft. to 66 in. drill    |
| 1966 | 660   | 67 in. drill    | Drilled 10 ft. to 67 in. drill    |
| 1967 | 670   | 68 in. drill    | Drilled 10 ft. to 68 in. drill    |
| 1968 | 680   | 69 in. drill    | Drilled 10 ft. to 69 in. drill    |
| 1969 | 690   | 70 in. drill    | Drilled 10 ft. to 70 in. drill    |
| 1970 | 700   | 71 in. drill    | Drilled 10 ft. to 71 in. drill    |
| 1971 | 710   | 72 in. drill    | Drilled 10 ft. to 72 in. drill    |
| 1972 | 720   | 73 in. drill    | Drilled 10 ft. to 73 in. drill    |
| 1973 | 730   | 74 in. drill    | Drilled 10 ft. to 74 in. drill    |
| 1974 | 740   | 75 in. drill    | Drilled 10 ft. to 75 in. drill    |
| 1975 | 750   | 76 in. drill    | Drilled 10 ft. to 76 in. drill    |
| 1976 | 760   | 77 in. drill    | Drilled 10 ft. to 77 in. drill    |
| 1977 | 770   | 78 in. drill    | Drilled 10 ft. to 78 in. drill    |
| 1978 | 780   | 79 in. drill    | Drilled 10 ft. to 79 in. drill    |
| 1979 | 790   | 80 in. drill    | Drilled 10 ft. to 80 in. drill    |
| 1980 | 800   | 81 in. drill    | Drilled 10 ft. to 81 in. drill    |
| 1981 | 810   | 82 in. drill    | Drilled 10 ft. to 82 in. drill    |
| 1982 | 820   | 83 in. drill    | Drilled 10 ft. to 83 in. drill    |
| 1983 | 830   | 84 in. drill    | Drilled 10 ft. to 84 in. drill    |
| 1984 | 840   | 85 in. drill    | Drilled 10 ft. to 85 in. drill    |
| 1985 | 850   | 86 in. drill    | Drilled 10 ft. to 86 in. drill    |
| 1986 | 860   | 87 in. drill    | Drilled 10 ft. to 87 in. drill    |
| 1987 | 870   | 88 in. drill    | Drilled 10 ft. to 88 in. drill    |
| 1988 | 880   | 89 in. drill    | Drilled 10 ft. to 89 in. drill    |
| 1989 | 890   | 90 in. drill    | Drilled 10 ft. to 90 in. drill    |
| 1990 | 900   | 91 in. drill    | Drilled 10 ft. to 91 in. drill    |
| 1991 | 910   | 92 in. drill    | Drilled 10 ft. to 92 in. drill    |
| 1992 | 920   | 93 in. drill    | Drilled 10 ft. to 93 in. drill    |
| 1993 | 930   | 94 in. drill    | Drilled 10 ft. to 94 in. drill    |
| 1994 | 940   | 95 in. drill    | Drilled 10 ft. to 95 in. drill    |
| 1995 | 950   | 96 in. drill    | Drilled 10 ft. to 96 in. drill    |
| 1996 | 960   | 97 in. drill    | Drilled 10 ft. to 97 in. drill    |
| 1997 | 970   | 98 in. drill    | Drilled 10 ft. to 98 in. drill    |
| 1998 | 980   | 99 in. drill    | Drilled 10 ft. to 99 in. drill    |
| 1999 | 990   | 100 in. drill   | Drilled 10 ft. to 100 in. drill   |