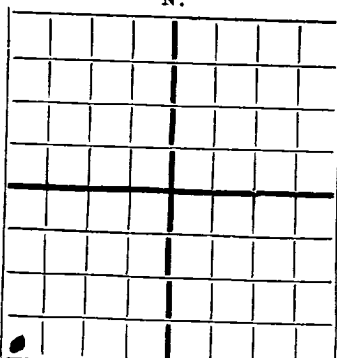


DUPLICATE

NEW MEXICO STATE LAND OFFICE  
SANTA FE, NEW MEXICO

## DEPARTMENT OF THE STATE GEOLOGIST

## WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

Company **F. W. & Y. Oil Company** Address **Artesia, New Mexico**  
Send correspondence to **Same** Address **Same**  
Well No. **60** in **SW 1/4** of Sec. **5**, T. **19**, R. **28**, N. M. P. M., **Artesia** Oil Field **Eddy** County.  
If State land the oil and gas lease is No. **648** Assignment No. \_\_\_\_\_  
If patented land the owner is \_\_\_\_\_, Address \_\_\_\_\_  
The lessee is \_\_\_\_\_, Address \_\_\_\_\_  
If not state or patented land, give status \_\_\_\_\_  
Drilling commenced **June 30th.** 19 **31** Drilling was completed **Sept. 21st.** 19 **31**  
Name of drilling contractor **Company Tools** Address \_\_\_\_\_  
Elevation above sea level at top of casing \_\_\_\_\_ feet.  
The information given is to be kept confidential until \_\_\_\_\_ 19 \_\_\_\_.

## OIL SANDS OR ZONES

No. 1, from **None** to \_\_\_\_\_ 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          | WEIGHT PER FOOT | THREADS PER INCH | MAKE | AMOUNT        | KIND OF SHOE  | CUT & PULLED FROM | PERFORATED |    | PURPOSE |
|---------------|-----------------|------------------|------|---------------|---------------|-------------------|------------|----|---------|
|               |                 |                  |      |               |               |                   | FROM       | TO |         |
| <b>8 1/2"</b> |                 |                  |      | <b>480ft.</b> | <b>Pulled</b> |                   |            |    |         |
|               |                 |                  |      |               |               |                   |            |    |         |
|               |                 |                  |      |               |               |                   |            |    |         |
|               |                 |                  |      |               |               |                   |            |    |         |
|               |                 |                  |      |               |               |                   |            |    |         |
|               |                 |                  |      |               |               |                   |            |    |         |
|               |                 |                  |      |               |               |                   |            |    |         |
|               |                 |                  |      |               |               |                   |            |    |         |
|               |                 |                  |      |               |               |                   |            |    |         |

## MUDDING AND CEMENTING RECORD

| SIZE | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|------|-----------|---------------------|-------------|-------------|--------------------|
|      |           |                     |             |             |                    |
|      |           |                     |             |             |                    |
|      |           |                     |             |             |                    |
|      |           |                     |             |             |                    |
|      |           |                     |             |             |                    |

## 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 |
|------|------------|----------------------|----------|------|------------|-------------------|
|      |            | <b>Was not shot.</b> |          |      |            |                   |
|      |            |                      |          |      |            |                   |
|      |            |                      |          |      |            |                   |

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from **Surface** feet to **1941** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## PRODUCTION

Put to producing \_\_\_\_\_, 19 \_\_\_\_.  
The production of the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, Be \_\_\_\_\_  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

**V.P. Welch** \_\_\_\_\_, Driller \_\_\_\_\_, Driller  
**W.H. Welch** \_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this **2nd** day of **November** 19 **31** Name **V.P. Welch** Position **President**  
**N. H. Gladys** Representing **F.W. & Y. Oil Company**  
Notary Public. Company or Operator.  
My commission expires **January 16 - 1934**

# FORMATION RECORD

| FROM | TO   | THICKNESS<br>IN FEET | FORMATION              |
|------|------|----------------------|------------------------|
| 0    | 35   |                      | Gyp                    |
| 35   | 95   |                      | Red Sand               |
| 95   | 120  |                      | Gumbo                  |
| 120  | 135  |                      | Red Sand               |
| 135  | 175  |                      | Gumbo                  |
| 175  | 205  |                      | Red Sand               |
| 205  | 230  |                      | Gumbo                  |
| 230  | 260  |                      | Red Sand               |
| 260  | 315  |                      | Red Beds               |
| 315  | 335  |                      | Red Beds               |
| 335  | 375  |                      | Gyp                    |
| 375  | 410  |                      | Gyp                    |
| 410  | 425  |                      | Red Mud                |
| 425  | 435  |                      | Gyp                    |
| 435  | 470  |                      | Gyp                    |
| 470  | 485  |                      | Gyp                    |
| 485  | 520  |                      | Gyp                    |
| 520  | 545  |                      | Gyp                    |
| 545  | 550  |                      | Red Mud                |
| 550  | 615  |                      | Gyp                    |
| 615  | 630  |                      | Blue Mud               |
| 630  | 670  |                      | Gyp                    |
| 670  | 695  |                      | Blue Mud               |
| 695  | 840  |                      | Gyp and Red Beds       |
| 840  | 850  |                      | Anhydrite              |
| 850  | 920  |                      | Gyp and Red Beds       |
| 920  | 975  |                      | Anhydrite              |
| 975  | 990  |                      | Sand and Shale         |
| 990  | 1245 |                      | Anhydrite              |
| 1245 | 1265 |                      | Sand and Ex Anhydrite  |
| 1265 | 1280 |                      | Anhydrite              |
| 1280 | 1330 |                      | " & Red Sandy Shale    |
| 1330 | 1440 |                      | " & Blue Shale         |
| 1440 | 1460 |                      | "                      |
| 1460 | 1480 |                      | " & Red and Blue Shale |
| 1480 | 1490 |                      | Red Sandy Shale        |
| 1490 | 1520 |                      | Red Sand               |
| 1520 | 1630 |                      | Anhydrite              |
| 1630 | 1680 |                      | Red Sand and Anhydrite |
| 1680 | 1755 |                      | Sand                   |
| 1755 | 1770 |                      | Lime                   |
| 1770 | 1775 |                      | Sand                   |
| 1775 | 1820 |                      | Lime and Shale         |
| 1820 | 1905 |                      | Lime                   |
| 1905 | 1930 |                      | Sand and Lime          |
| 1930 | 1941 |                      | Brown and Sandy Lime   |
| 1941 |      |                      | Total Depth            |