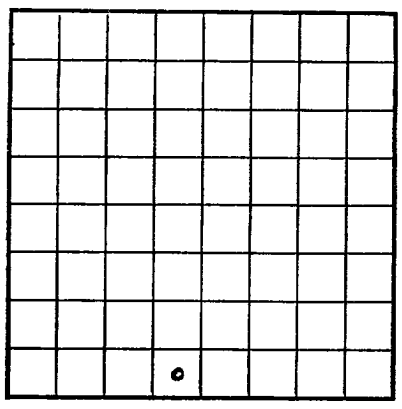
Form 9-330

ud, ureau No. 42-R355.2.
Approval expires 12-31-52.

U. S. Land Office Las Cruces
Serial Number 028755
Lease or Permit to Prospect H. Russell

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

Company Empire Gas and Fuel Address Bartlesville, Oklahoma
Lessor or Tract Henry Russell Field Artesia State New Mexico
Well No. 3-A Sec. 35 T. 17S R. 27E Meridian N.M.P.M. County Eddy
Location 330 ft. {N. / ~~S.~~} of S Line and 330 ft. {~~E.~~ / W.} of E Line of S.W.¼ 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 /s/ Geo. E. Davis
Date September 3, 1927 Title District Foreman

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

Commenced drilling August 8, 1927 Finished drilling September 3, 1927

## OIL OR GAS SANDS OR ZONES

*(Denote gas by G)*

No. 1, from 407' to 414' No. 4, from 1595' to 1610'
No. 2, from 870' to 875' (Oil showing) No. 5, from ____ to ____
No. 3, from 1170' to 1175' G No. 6, from ____ to ____

## IMPORTANT WATER SANDS

No. 1, from 695' to 710' No. 3, from ____ to ____
No. 2, from 910' to 935' No. 4, from ____ to ____

## CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated From— | Perforated To— | Purpose |
|---|---|---|---|---|---|---|---|---|---|
| 10" | 35# | 8 | Ygst. | 460 87' | Texas Pattern | | | | |
| 8¼ | 28# | 8 | Central | 967' | Texas Pattern | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

FOLD MARK

## PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____
Adapters—Material 0 Size ____

## SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |

## TOOLS USED

Rotary tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet
Cable tools were used from 0 feet to 1623 feet, and from ____ feet to ____ feet

## DATES

____, 19____ Put to producing ____, 19____

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

J. A. Gore, Driller ____, Driller
J. R. Evarts, Driller ____, Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 3 | 3 | Soil |
| 3 | 120 | 117 | Gypsum |
| 120 | 175 | 55 | Red bed |
| 175 | 200 | 25 | Gypsum and red bed |
| 200 | 210 | 10 | Red bed |
| 210 | 225 | 15 | Gypsum |
| 225 | 270 | 45 | Gypsum and red bed |
| 270 | 290 | 20 | Gypsum |
| 290 | 380 | 90 | Gypsum and lime shells |
| 380 | 407 | 27 | Gypsum |
| 407 | 414 | 7 | Oil sand |
| 414 | 419 | 5 | Gray lime |
| 419 | 425 | 6 | Blue shale |
| 425 | 460 | 35 | Gypsum |
| 460 | 480 | 20 | Gypsum and lime |
| 480 | 530 | 50 | Gray lime |
| 530 | 555 | 25 | Gypsum |
| 555 | 600 | 45 | Gypsum and lime |
| 600 | 625 | 25 | Lime |
| 625 | 650 | 25 | Gypsum |
| 650 | 675 | 25 | Broken gypsum and lime |
| 675 | 695 | 20 | Gray lime |
| 695 | 710 | 15 | Salt water sand |
| 710 | 715 | 5 | Red bed |
| 715 | 825 | 110 | Gypsum |
| 825 | 835 | 10 | Red bed |

(OVER)



FORMATION RECORD—CONTINUED

## FORMATION RECORD—Continued

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 835 | 880 | 45 | Gypsum |
| 880 | 905 | 25 | Gray lime |
| 905 | 910 | 5 | Sandy lime |
| 910 | 935 | 25 | Red sand |
| 935 | 940 | 5 | Gypsum |
| 940 | 970 | 30 | White lime |
| 970 | 1040 | 70 | Gray lime |
| 1040 | 1050 | 10 | Gray lime and red shale |
| 1050 | 1110 | 60 | Gray lime |
| 1110 | 1120 | 10 | Broken Gypsum |
| 1120 | 1150 | 30 | Gypsum and lime shells |
| 1150 | 1175 | 25 | Gray sandy lime |
| 1175 | 1200 | 25 | Gypsum and lime |
| 1200 | 1210 | 10 | Gypsum and lime |
| 1210 | 1230 | 20 | Lime and red shale |
| 1230 | 1295 | 65 | Gypsum and lime |
| 1295 | 1335 | 40 | Red lime and red shale |
| 1335 | 1370 | 35 | Gray lime |
| 1370 | 1380 | 10 | Grypsum and lime |
| 1380 | 1405 | 25 | Gray lime |
| 1405 | 1420 | 15 | Gypsum |
| 1420 | 1490 | 70 | Gray lime |
| 1490 | 1555 | 65 | Sandy lime |
| 1555 | 1595 | 40 | Gray lime |
| 1595 | 1610 | 15 | Gray oil sand |
| 1610 | 1623 | 13 | Gray lime |

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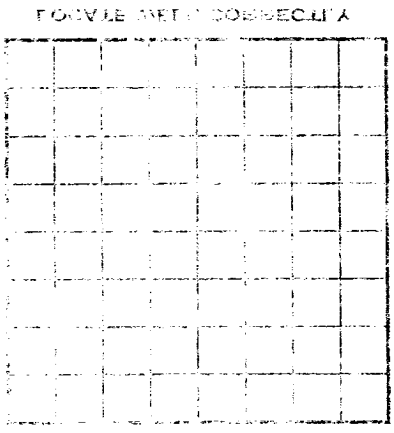
## HISTORY OF OIL OR GAS WELL

**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.**



# LOG OF OIL OR GAS WELL