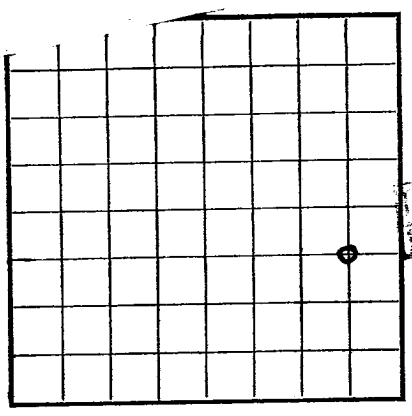
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 028772 (b)
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

Company Western - Yates Address P. O. Box 427, Artesia, N. M.

Lessor or Tract Dunn B Tract 1 Field Artesia State New Mexico

Well No. 27 Sec. 12 T. 18S R. 28E Meridian NMPM County Eddy

Location 1980 ft. {N./S.} of S Line and 660 ft. {E./W.} of E Line of Sec. 12 Elevation 3622
(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 W B Macey

Date April 14, 1958 Title Chairman of Operating Committee

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

Commenced drilling February 20, 19 58 Finished drilling March 24, 19 58

## OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2833 to 2848 (O) No. 4, from 2621 to 2625 (O)

No. 2, from 2652 to 2677 (O) No. 5, from 2185 to 2205 (O)

No. 3, from 2613 to 2619 (O) No. 6, from ____ to ____

## IMPORTANT WATER SANDS

No. 1, from 330 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 From— | Perforated To— | Purpose |
|---|---|---|---|---|---|---|---|---|---|
| 8 5/8 | 24# | 8 Rd. | J-55 | 422 | Guide | | | | Water Shut off |
| 4 1/2 | 9.5# | 8 Rd. | J-55 | 2867 | Float | | 2185 | 2205 | Production |
| | | | | | | | 2621 | 2625 | " |
| | | | | | | | 2613 | 2619 | " |
| | | | | | | | 2652 | 2677 | " |
| | | | | | | | 2833 | 2848 | " |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 8 5/8 | 422 | 75 | Halliburton | | 50 sax |
| 4 1/2 | 2867 | 200 | " | | 100 sax |

## PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

## SHOOTING RECORD

FRAC 7777777

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|---|---|---|---|---|---|---|
| | See Report of April 10, 1958 submitted on Form 9-331a for complete details of fracturing. | | | | | |

## TOOLS USED

Rotary tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

Cable tools were used from 0 feet to 2867 feet, and from ____ feet to ____ feet

## DATES

April 14, 19 58 Put to producing April 12, 19 58

The production for the first 24 hours was 65 barrels of fluid of which 100 % was oil; ____ % emulsion; ____ % water; and ____ % sediment.

Gravity, °Bé. 36° API

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

Rock pressure, lbs. per sq. in. ____

## EMPLOYEES

Lamb, Driller Gracey, Driller

Mann, Driller (H & B Drilling, Inc.) Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 95 | 95 | Caliche and Red Bed |
| 95 | 330 | 235 | Red Bed |
| 330 | 775 | 445 | Salt (Show of water in top of salt) |
| 775 | 1130 | 355 | Broken anhy. |
| 1130 | 1415 | 285 | Broken anhy and shale |
| 1415 | 1950 | 535 | Anhy. |
| 1950 | 1980 | 30 | Red Sand |
| 1980 | 2172 | 192 | Anhy. |
| 2172 | 2215 | 43 | Sand - grey (Show of oil 2187-2203) |
| 2215 | 2245 | 30 | Broken anhy. |
| 2245 | 2315 | 70 | Broken lime |
| 2315 | 2535 | 220 | Lime |
| 2535 | 2552 | 17 | Pink Shale |
| 2552 | 2585 | 33 | Lime |
| 2585 | 2685 | 100 | Lime and Sand ( Show of oil 2667-84) |
| 2685 | 2808 | 123 | Lime (white) |
| 2808 | 2850 | 42 | Grey sand and lime |
| 2850 | 2867 | 17 | Tan Lime |
| TOTAL DEPTH | | | |

FORMATION TOPS

| | |
|---|---|
| Top of Salt | 330' |
| Base of Salt | 775' |
| Top of Queen | 1957' |
| Top of Penrose | 2170' |
| Top of Grayburg | 2308' |
| Top of San Andres | 2680' |

FOLD | MARK

(OVER)

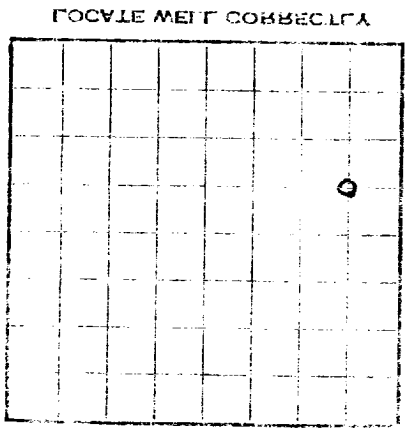
16—43094-4

# FORMATION RECORD—Continued

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|

# LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY



DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Company ..... Address .....

Lessor or Tract ..... Field ..... State .....

Well No. ..... Sec. ..... T. ..... R. ..... Meridian ..... County .....

Location ..... ft. {N. / S.} of {E. / W.} line and ..... ft. {E. / W.} of {N. / S.} line of ..... Elevation .....

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 ..... 19.. Finished drilling ..... 19..

OIL OR GAS SANDS OR ZONES

No. 1, from ..... to ..... (Depth) No. 4, from ..... to ..... (Depth)

No. 2, from ..... to ..... (Depth) No. 5, from ..... to ..... (Depth)

No. 3, from ..... to ..... (Depth) No. 6, from ..... to ..... (Depth)

IMPORTANT WATER SANDS

No. 1, from ..... to ..... (Depth) No. 3, from ..... to ..... (Depth)

No. 2, from ..... to ..... (Depth) No. 4, from ..... to ..... (Depth)

CASING RECORD

| Size | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated from | Purpose |
|---|---|---|---|---|---|---|---|---|

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used | Depth cleaned out | Depth shot | Kind of shot | Size |
|---|---|---|---|---|---|---|---|---|---|

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from ..... ft. to ..... ft., and from ..... ft. to ..... ft.

Cable tools were used from ..... ft. to ..... ft., and from ..... ft. to ..... ft.

DATES

19..., Put to producing .....

The production for the first 24 hours was ..... barrels of fluid of which ..... % was oil; ..... % was emulsion; ..... % water; and ..... % was sediment.

Gravity, Be° ..... If gas well, cu. ft. per 24 hours .....

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

EMPLOYEES

..... Driller ..... Driller

..... Driller ..... Driller

FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|

# 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. State 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.**

16—46094-2 U. S. GOVERNMENT PRINTING OFFICE