Form 9-330

B Bureau No. 42-R355.1.
A expires 11-30-49.

U. S. Land Office Las Cruces
Serial Number 045818 A
Lease or Permit to Prospect Lease

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

Company Nunn and Geiser Address Artesia, New Mexico
Lessor or Tract Hastie Field Empire State New Mexico
Well No. 4 Sec. 18 T. 17 R. 28 Meridian N M P M County Eddy
Location 990 ft. {N/S} of N Line and 330 ft. {E/W} of W Line of Sec. 18 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 Ralph A. Shugart
Date 5-16-50 Title Agent

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

Commenced drilling 4-28-50, 19 Finished drilling 5-15-50, 19

## OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 460 to 463 No. 4, from to
No. 2, from 481 to 484 No. 5, from to
No. 3, from to No. 6, from to

## IMPORTANT WATER SANDS

No. 1, from 130 to 140 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 |
|---|---|---|---|---|---|---|---|---|---|
| 7" | 24# | | | 448' | | | | | |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 7" | 448 | 25 Sacks | | | |

## 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 |
|---|---|---|---|---|---|---|
| | 500 gals acid | | | 5-13-50 | | |
| | 1000 gals acid | | | 5-14-50 | | |

## TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from 0 feet to 484 feet, and from feet to feet

## DATES

5-16, 19 50 Put to producing 5-16, 19 50

The production for the first 24 hours was 3 barrels of fluid of which 100 % 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

, Driller C. E. Geiser, Driller
, Driller J. H. Eskue, Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 10 | 10 | Siol and Caliche |
| 10 | 30 | 20 | Red shale |
| 30 | 40 | 10 | Gyp |
| 40 | 60 | 20 | Anhydrite |
| 60 | 65 | 5 | Blue shale |
| 65 | 75 | 10 | Anhydrite |
| 75 | 80 | 5 | Red shale |
| 80 | 120 | 40 | Anhydrite |
| 120 | 130 | 10 | Blue shale |
| 130 | 165 | 35 | Anhydrite - Water |
| 165 | 170 | 5 | Lime |
| 170 | 175 | 5 | Blue shale |
| 175 | 183 | 8 | Anhydrite & shale |
| 183 | 188 | 5 | Red sandy shale |
| 188 | 225 | 37 | Red shale & anhydrite |
| 225 | 235 | 10 | Red sand |
| 235 | 245 | 10 | Anhydrite |
| 245 | 260 | 15 | Anhydrite & gyp |
| 260 | 270 | 10 | Red shale |
| 270 | 275 | 5 | Anhydrite |
| 275 | 280 | 5 | Lime |
| 280 | 290 | 10 | Anhydrite |
| 290 | 295 | 5 | Lime shells |
| 295 | 315 | 20 | Anhydrite |
| 315 | 330 | 15 | Broken anhydrite |
| 330 | 338 | 8 | Lime |

(OVER)

16—43094-2

FOLD MARK