FORM C-105

Oswell 1213

SUPPLEMENTAL

# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

RECEIVED
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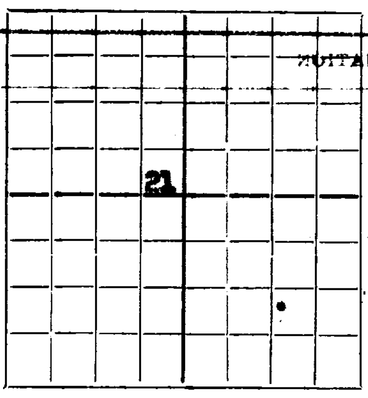

AREA 640 ACRES
LOCATE WELL CORRECTLY

## WELL RECORD

**Deepened from 2251' to 4196'**

**Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.**

Leonard Oil Company (Company or Operator) State B-1266 (Lease)

State Well No. 8 in [illegible] of Sec. 21, T. 17 S

R. 29 E, N. M. P. M. ~~Grayburg-Jackson~~ Field, Eddy County.

Well is ~~4105~~ 1170 feet ~~south~~ North of the ~~North~~ South line and ~~[illegible]~~ 1230 feet west of the East line of Sec. 21

If State land the oil and gas lease is No. B-1266 Assignment No.

If patented land the owner is -, Address

If Government land the permittee is -, Address

The Lessee is Leonard Oil Company, Address

Drilling commenced August 1 1947 Drilling was completed November 7 1947

Name of drilling contractor Roach & Shepard, Address Artesia, New Mexico

Elevation above sea level at top of casing 3568 feet.

The information given is to be kept confidential until - 19

### OIL SANDS OR ZONES

Show No. 1, from 2372 to 2382 No. 4, from 2746 to 2750

Show No. 2, from 2602 to 2612 No. 5, from 3621 to 3639

Show No. 3, from 2639 to 2644 No. 6, from to

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from N to feet.

O

No. 2, from N to feet.

No. 2, from E to feet.

No. 4, from to feet.

### CASING RECORD

| SIZE | WEIGHT PER FOOT | THREADS PER INCH | MAKE | AMOUNT | KIND OF SHOE | CUT & FILLED FROM | PERFORATED | | PURPOSE |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | FROM | TO | |
| 8" | | | | 255 | | | | | |
| 7" | 20# | | | 2138 | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

### MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|---|---|---|---|---|---|---|
| Cemented hole in 7" casing 62' from surface with 65 sacks Trinity Cement | | | | | | |
| between 7" and 8" pipe - work done by Halliburton | | | | | | |
| | | | | | | |

### PLUGS AND ADAPTERS

Heaving plug—Material Length Depth Set

Adapters—Material Size

### RECORD OF SHOOTING OR CHEMICAL TREATMENT

| SIZE | SHELL USED | EXPLOSIVE OR CHEMICAL USED | QUANTITY | DATE | DEPTH SHOT OR TREATED | DEPTH CLEANED OUT |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | Acid | 1000 gal | 10-16-47 | 2660' to 2715 | |
| | | Acid | 2500 gal | 10-18-47 | 2685' to 2715 | |
| | | Acid | 5000 gal | 10-21-47 | 2660' to 2715 | |

Results of shooting or chemical treatment

Increase from 4 BOPD to 41 BOPD

### RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

### TOOLS USED

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

Cable tools were used from 2261 feet to 4196 feet, and from feet to feet

Plugged back from 4196 to 3328

### PRODUCTION

Put to producing November 10, 1947

The production of the first 24 hours was 41 barrels of fluid of which 100 % was oil; - % emulsion; - % water; and - % sediment. Gravity, Be 37

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

Rock pressure, lbs. per sq. in.

### EMPLOYEES

Clarence Roach, Driller Pyatt, Driller

E. J. Shepard, Driller Hill, 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 18th day of February, 1948

Grace Rice
Notary Public

Roswell, New Mexico (Place) Feb. 18, 1948 (Date)

Name Emmett D White

Position Secretary-Treasurer

## FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|---|---|---|---|
| 2281 | 2327 | 46 | Gray Lime |
| 2327 | 2337 | 10 | Lime |
| 2337 | 2349 | 12 | Gray Lime |
| 2349 | 2361 | 12 | White Lime |
| 2361 | 2372 | 11 | Lime |
| 2372 | 2382 | 10 | Gray Lime - Gas - Oil show |
| 2382 | 2401 | 19 | Pink Lime |
| 2401 | 2412 | 11 | Lime |
| 2412 | 2432 | 20 | Gray Lime |
| 2432 | 2454 | 22 | Lime |
| 2454 | 2466 | 12 | White Lime |
| 2466 | 2480 | 14 | Lime |
| 2480 | 2498 | 18 | Gray Lime |
| 2498 | 2508 | 10 | Sandy lime |
| 2508 | 2528 | 20 | Gray Lime |
| 2528 | 2533 | 5 | Lime |
| 2533 | 2563 | 30 | Gray Lime |
| 2563 | 2572 | 9 | Lime |
| 2572 | 2590 | 18 | Gray Lime |
| 2590 | 2599 | 9 | Lime |
| 2599 | 2602 | 3 | Gray Lime - Gas increases |
| 2602 | 2612 | 10 | Gray Lime - Oil show |
| 2612 | 2622 | 10 | Gray Lime |
| 2622 | 2635 | 13 | Lime |
| 2635 | 2639 | 4 | Gray Lime |
| 2639 | 2644 | 5 | Gray Lime - Oil show |
| 2644 | 2656 | 12 | Gray Lime - Tested well 1 hr; made 7 gal Oil & B.S. |
| 2656 | 2667 | 11 | Lime |
| 2667 | 2695 | 28 | Gray Lime |
| 2695 | 2714 | 19 | Lime |
| 2714 | 2727 | 13 | Gray Lime |
| 2727 | 2746 | 19 | Lime |
| 2746 | 2750 | 4 | Gray Lime - Tested well 2 hrs; Rec. 6 Gal Oil hr. |
| 2750 | 2758 | 8 | Lime |
| 2758 | 2879 | 121 | Lime |
| 2879 | 2893 | 14 | Lime - small show of oil |
| 2893 | 3225 | 332 | Lime |
| 3225 | 3235 | 10 | Lime - Tested well 2 hrs; made 3 gal oil hr. |
| 3235 | 3294 | 59 | Lime |
| 3294 | 3298 | 4 | Lime - Gas show |
| 3298 | 3313 | 15 | Lime - Tested well - small amount water-1 gal per hr. |
| 3313 | 3318 | 5 | Sand |
| 3318 | 3328 | 10 | Sandy Lime |
| 3328 | 3342 | 14 | Lime - Tested well 2 hrs; made 3 gal oil & 4 gal water hr |
| 3342 | 3355 | 13 | Gray Lime |
| 3355 | 3445 | 90 | Lime |
| 3445 | 3455 | 10 | Sandy Lime; Tested well 1 hr; same amount fluid as previous tests |
| 3455 | 3518 | 63 | Lime |
| 3518 | 3527 | 9 | Black Lime |
| 3527 | 3544 | 17 | Gray Lime |
| 3544 | 3572 | 28 | Lime |
| 3572 | 3590 | 18 | Lime; tested hole 1 hr - no change in fluid |
| 3590 | 3604 | 14 | Gray Lime |
| 3604 | 3621 | 17 | Lime |
| 3621 | 3639 | 18 | Lime; tested well 1 hr; made 13 gal fluid-3 gal increase oil hr. 3621-3630 |
| 3639 | 3650 | 11 | Dark Lime |
| 3650 | 3665 | 15 | Lime; Tested 1 hr. made 13 gal fluid |
| 3665 | 3754 | 89 | Lime |
| ~~3754~~ | ~~3770~~ | ~~16~~ | ~~Lime-Tested well 1 hr; made 18 3/8 gal fluid~~ |
| 3770 | 3802 | 32 | Lime |
| 3802 | 3813 | 11 | Lime-Tested well 1 1/3 hr. made 20 gal fluid |
| 3813 | 3837 | 24 | Lime |
| 3837 | 3844 | 8 | Sandy Lime |
| 3844 | 3859 | 15 | Sandy Lime-Tested well 3½ hrs; made 25 gal oil, 35 gal water; changed headon casing-sandy shale |
| 3859 | 3869 | 10 | Lime |
| 3869 | 3880 | 11 | Sandy Lime |
| 3880 | 3907 | 27 | Lime |
| 3907 | 3919 | 12 | White Lime |
| 3919 | 3930 | 11 | Lime-Tested well 2 hrs; made 16½ gal fluid per hr. |
| 3930 | 3943 | 13 | Lime-Tested well 1 hr; made 14 gal fluid; tested at 3934' |
| 3943 | 3948 | 5 | Lime-Tested 2 one hr; first 12" in barrel, second 11" in barrel |
| 3948 | 3956 | 8 | Lime-Tested 1 hr; 16 gal hr. |
| 3956 | 4007 | 51 | Lime |
| 4007 | 4014 | 7 | Lime-Tested well 1 hr. made 15 3/4 gal fluid |
| 4014 | 4155 | 141 | Lime |
| 4155 | 4159 | 4 | Lime-Tested well 2 1/4 hrs. Increase 14 gal water hr. from 4146 to 4155 |
| 4159 | 4177 | 18 | Lime |
| 4177 | 4192 | 15 | Lime-Tested hole; making 35½ gal per hr. |
| 4192 | 4196 | 4 | Lime |