

DUPLICATE

FORM C-105

NEW MEXICO OIL CONSERVATION

Santa Fe, New Mexico

AUG 28 1947

HOBBS OFFICE

WELL RECORD

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.

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Barney Cockburn, Inc.

Cockburn-State

Well No. 2 in T. 32 N. 17 E. of Sec. 32, T. 17S

R. 33E, N. M. P. M., East Maljamar Field, Lea County.

Well is 660 feet south of the North line and 1980 feet East of the East line of Sec. 32-17S-33E

If State land the oil and gas lease is No. B-4115 Assignment No.

If patented land the owner is Address

If Government land the permittee is Address

The Lessee is Barney Cockburn, Inc. Address Box 115, Artesia, N. M.

Drilling commenced January 22, 1944 Drilling was completed July 28, 1944

Name of drilling contractor J.C. Watson Drilling Co. Address Artesia, N. M.

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 4190 to 4200 Show No. 4, from to

No. 2, from 4490 to 4510 1-Bailer oil, 2-Bailers water per hr. No. 5, from to

No. 3, from to 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 4490 to 4510 2 Bailers per hr. feet.

No. 2, from 4540 to 4560 500' water in hole when casing run

No. 3, from 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 FROM | PERFORATED TO | PURPOSE |
|-------|-----------------|------------------|------|--------|--------------|-------------------|-----------------|---------------|---------|
| 8 5/8 | 32#             | 10'              | SS   | 1280'  | Texas        |                   |                 |               |         |
| 4 5/8 | 20#             | 8                | New  | 4663'  | Baker        |                   |                 |               |         |
|       |                 |                  |      |        |              |                   |                 |               |         |
|       |                 |                  |      |        |              |                   |                 |               |         |
|       |                 |                  |      |        |              |                   |                 |               |         |
|       |                 |                  |      |        |              |                   |                 |               |         |
|       |                 |                  |      |        |              |                   |                 |               |         |
|       |                 |                  |      |        |              |                   |                 |               |         |
|       |                 |                  |      |        |              |                   |                 |               |         |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 10 7/8       | 8 5/8          | 1280'     | 50                  |             |             |                    |
|              | 7"             | 4663'     | 50                  |             |             |                    |
|              |                |           |                     |             |             |                    |
|              |                |           |                     |             |             |                    |
|              |                |           |                     |             |             |                    |

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 |
|------|------------|----------------------------|----------|------|-----------------------|-------------------|
|      |            | None                       |          |      |                       |                   |
|      |            |                            |          |      |                       |                   |
|      |            |                            |          |      |                       |                   |
|      |            |                            |          |      |                       |                   |

Results of shooting or chemical treatment

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 0 feet to 1276 feet, and from feet to feet.

Cable tools were used from 1276 feet to 5200 feet, and from feet to feet.

PRODUCTION

Put to producing Dry, 19

The production of the first 24 hours was None 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

C. F. Bowers Driller A. E. Lycette Driller

Darl Arbogast 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 Artesia, N. M. August 27, 1947

day of August 27, 1947 Name

Position Vice President

Representing Barney Cockburn, Inc. Company or Operator.

Address Box 115, Artesia, New Mexico

My Commission expires 4-21-48

## FORMATION RECORD

| FROM | TO   | THICKNESS<br>IN FEET | FORMATION                              |
|------|------|----------------------|----------------------------------------|
| 0    | 39   | 39                   | Surface                                |
| 39   | 90   | 51                   | Sand and Gravel                        |
| 90   | 325  | 235                  | Red Bed                                |
| 325  | 1260 | 935                  | Red Rock                               |
| 1260 | 1420 | 160                  | Anhydrite                              |
| 1420 | 1475 | 55                   | Red Rock Shells & Salt                 |
| 1475 | 1600 | 125                  | Salt & Red Rock                        |
| 1600 | 1655 | 55                   | Salt & Anhydrite                       |
| 1655 | 2275 | 620                  | Salt                                   |
| 2275 | 2290 | 15                   | Anhydrite                              |
| 2290 | 2440 | 150                  | Salt                                   |
| 2440 | 2450 | 10                   | Anhydrite                              |
| 2450 | 2490 | 40                   | Broken Anhydrite                       |
| 2490 | 2520 | 30                   | Red Mud & Anhydrite                    |
| 2520 | 2630 | 110                  | Anhydrite                              |
| 2630 | 2640 | 10                   | Red Rock                               |
| 2640 | 2680 | 40                   | Anhydrite & Red Rock                   |
| 2680 | 2715 | 35                   | Broken Anhydrite                       |
| 2715 | 2750 | 35                   | Anhydrite Red Rock                     |
| 2750 | 2845 | 95                   | Anhydrite                              |
| 2845 | 2925 | 80                   | Broken Anhydrite                       |
| 2925 | 2970 | 45                   | Anhydrite & Mud                        |
| 2970 | 2990 | 20                   | Broken Anhydrite                       |
| 2990 | 3040 | 50                   | Red Rock & Anhydrite                   |
| 3040 | 3250 | 210                  | Anhydrite                              |
| 3250 | 3260 | 10                   | Brown Lime                             |
| 3260 | 3285 | 25                   | Lime, Broken                           |
| 3285 | 3340 | 55                   | Anhydrite                              |
| 3340 | 3360 | 20                   | Lime, Broken                           |
| 3360 | 3635 | 275                  | Anhydrite                              |
| 3635 | 3660 | 25                   | Red Sand                               |
| 3660 | 3705 | 45                   | Anhydrite & Brown Lime                 |
| 3705 | 3755 | 50                   | Anhydrite                              |
| 3755 | 3775 | 20                   | Sandy Brown Lime                       |
| 3775 | 3825 | 50                   | Anhydrite & Lime                       |
| 3825 | 3840 | 15                   | Brown Lime                             |
| 3840 | 3860 | 20                   | Anhydrite & Lime                       |
| 3860 | 3885 | 25                   | Sandy Lime                             |
| 3885 | 3910 | 25                   | Anhydrite                              |
| 3910 | 3955 | 45                   | Anhydrite & Lime                       |
| 3955 | 3980 | 25                   | Anhydrite & Sand                       |
| 3980 | 4000 | 20                   | Lime                                   |
| 4000 | 4010 | 10                   | Grey Lime                              |
| 4010 | 4032 | 22                   | Lime                                   |
| 4032 | 4045 | 13                   | Grey Lime                              |
| 4045 | 4075 | 30                   | Lime                                   |
| 4075 | 4095 | 20                   | Grey Lime                              |
| 4095 | 4175 | 80                   | Lime                                   |
| 4175 | 4190 | 15                   | Grey Lime                              |
| 4190 | 4200 | 10                   | Critty Lime Show of Oil 4190' to 4200' |
| 4200 | 4210 | 10                   | Lime                                   |
| 4210 | 4225 | 15                   | Grey Lime                              |
| 4225 | 4295 | 70                   | Lime Oil & Water and Gas 4280'         |
| 4295 | 4310 | 15                   | Sand                                   |
| 4310 | 4340 | 30                   | Lime                                   |
| 4340 | 4365 | 25                   | Sandy Lime                             |
| 4365 | 4395 | 30                   | Sand and Sandy Lime                    |
| 4395 | 4425 | 30                   | Sandy Lime                             |
| 4425 | 4435 | 10                   | Lime                                   |
| 4435 | 4445 | 10                   | White Lime                             |
| 4445 | 4540 | 95                   | Lime Water & Oil 4495' - 4510'         |
| 4540 | 4560 | 20                   | Water Sand                             |
| 4560 | 4585 | 25                   | Lime                                   |
| 4585 | 4595 | 10                   | White Lime                             |
| 4595 | 4605 | 10                   | Lime                                   |
| 4605 | 5063 | 458                  | White Lime                             |
| 5063 | 5200 | 137                  | Lime                                   |