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## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## 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

Schermerhorn Oil Corporation  
Company or Operator

Woolworth lease  
Lease

Well No. 2 in ~~SE 1/4~~ NE 1/4 of Sec. 28, T. 24 S.  
R. 37 E., N. M. P. M., Mattix Field, Lea County.

Well is 1980 feet south of the North line and 1680 feet west of the East line of Section 28

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

If patented land the owner is Elisabeth Woolworth, Address Jal, New Mexico

If Government land the permittee is -----, Address -----

The Lessee is Schermerhorn Oil Corporation, Address Big Spring, Texas

Drilling commenced July 17, 1937. Drilling was completed Sept. 11, 1937.

Name of drilling contractor Weier Drilling Company, Address Monahans, Texas

Elevation above sea level at top of casing 3212 feet.

The information given is to be kept confidential until Not confidential 19

## OIL SANDS OR ZONES

No. 1, from 3504 to 3524 No. 4, from ----- to -----

No. 2, from 3563 to 3575 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 85 to 110 feet. Esti. 12 bails per hr.

No. 2, from 530 to 540 feet. Hole full of water

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 TO | PURPOSE        |
|--------------------------------------------------------------|-----------------|------------------|---------|--------|--------------|-------------------|--------------------|----------------|
| 13 1/2"                                                      | 40.5            | 10 ?             | J. & L. | 131'   | Tex. Pat.    |                   | -----              | Water shut-off |
| 10"                                                          | 40              | 10 ?             | Lapw.   | 823    | " "          |                   | -----              | Water shut-off |
| 8 5/8"                                                       | 32              | 10               | Seaml.  | 1411   | " "          |                   | -----              | Water shut-off |
| 7"                                                           | 24              | 10               | Seaml.  | 3238   | " "          |                   | -----              | Oil string     |
| Note: 10" casing was pulled after the 8 5/8" casing was set. |                 |                  |         |        |              |                   |                    |                |

## MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 14"          | 13"            | 141'      | 100                 | Pump & Plug | -----       | None               |
| 9 1/2"       | 8 5/8"         | 1421      | 200                 | " " "       | -----       | None               |
| 8"           | 7"             | 3242      | 150                 | " " "       | -----       | None               |

## 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 None

## 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 toops were used from 0 feet to 3577 feet, and from ----- feet to ----- feet

## PRODUCTION

Put to producing Sept. 13, 1937

The production of the first 24 hours was 83 barrels of fluid of which 99.8 % was oil: 0.2 %

emulsion; 0 % water; and 0 % sediment. Gravity, Be 40.4

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

Rock pressure, lbs. per sq. in. Rock pressure unknown. Casing head pressure, 275#/sq.in.

## EMPLOYEES

Richards, Driller Thompson, Driller

Cunningham, 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 14th

day of September, 1937

Notary Public

My Commission expires 27 37

Hobbs, New Mex. Sept. 14, 1937.

Name May M. Merrick

Position Engineer

Representing Schermerhorn Oil Corporation

Company or Operator

Address Big Spring, Texas

## FORMATION RECORD

| FROM                               | TO   | THICKNESS<br>IN FEET | FORMATION                                                        |
|------------------------------------|------|----------------------|------------------------------------------------------------------|
| 0                                  | 40   | 40                   | Caliche                                                          |
| 40                                 | 85   | 45                   | ?                                                                |
| 85                                 | 110  | 25                   | Sand. (Water in amounts of about 12 bailer per hr.)              |
| 110                                | 141  | 31                   | Red rock. (Set surface casing at 141 feet depth.)                |
| 141                                | 220  | 89                   | Red rock.                                                        |
| 220                                | 225  | 5                    | Blue shale.                                                      |
| 225                                | 280  | 55                   | Red rock.                                                        |
| 280                                | 330  | 50                   | Blue mud.                                                        |
| 330                                | 530  | 200                  | Red rock.                                                        |
| 530                                | 540  | 10                   | Water sand. (H.F.W.)                                             |
| 540                                | 570  | 30                   | Sandy lime.                                                      |
| 570                                | 750  | 180                  | Sandy shale.                                                     |
| 750                                | 800  | 50                   | Red mud.                                                         |
| 800                                | 810  | 10                   | Sand.                                                            |
| 810                                | 1095 | 285                  | Red rock.                                                        |
| 1095                               | 1245 | 150                  | Anhydrite.                                                       |
| 1245                               | 1300 | 55                   | Red rock.                                                        |
| 1300                               | 1355 | 55                   | Red rock and salt.                                               |
| 1355                               | 1380 | 25                   | Anhydrite and red rock.                                          |
| 1380                               | 1395 | 15                   | Red rock and salt.                                               |
| 1395                               | 1475 | 80                   | Anhydrite. (Set 8 5/8" casing at 1421.)                          |
| 1475                               | 1515 | 40                   | Red rock and salt.                                               |
| 1515                               | 1535 | 20                   | SALT.                                                            |
| 1535                               | 1565 | 30                   | Anhydrite.                                                       |
| 1565                               | 1625 | 60                   | Salt and shells.                                                 |
| 1625                               | 1685 | 60                   | Salt, red rock and anhydrite .                                   |
| 1685                               | 1830 | 145                  | Salt.                                                            |
| 1830                               | 1875 | 45                   | Anhydrite.                                                       |
| 1875                               | 1880 | 5                    | Salt.                                                            |
| 1880                               | 1915 | 45                   | Anhydrite.                                                       |
| 1915                               | 2085 | 170                  | Salt and shells.                                                 |
| 2085                               | 2150 | 65                   | Anhydrite                                                        |
| 2150                               | 2170 | 20                   | Salt.                                                            |
| 2170                               | 2215 | 45                   | Anhydrite.                                                       |
| 2215                               | 2235 | 20                   | Salt.                                                            |
| 2235                               | 2275 | 40                   | Anhydrite.                                                       |
| 2275                               | 2330 | 55                   | Salt.                                                            |
| 2330                               | 2365 | 35                   | Salt and anhydrite.                                              |
| 2365                               | 2405 | 40                   | ?                                                                |
| 2405                               | 2465 | 60                   | Salt.                                                            |
| 2465                               | 2550 | 85                   | Salt and anhydrite.                                              |
| 2550                               | 2580 | 30                   | Anhydrite.                                                       |
| 2580                               | 2610 | 30                   | Lime and anhydrite.                                              |
| 2610                               | 2710 | 100                  | Lime.                                                            |
| 2710                               | 2740 | 30                   | Broken lime.                                                     |
| 2740                               | 2785 | 45                   | Anhydrite and blue shale.                                        |
| 2785                               | 2855 | 70                   | Broken lime.                                                     |
| 2855                               | 2875 | 20                   | Lime.                                                            |
| 2875                               | 2935 | 60                   | Broken lime.                                                     |
| 2935                               | 3427 | 492                  | Lime. (Set 7" casing at 3242').                                  |
| 3427                               | 3432 | 5                    | Brown lime. (Loaded hole with water.)                            |
| 3432                               | 3445 | 13                   | Grey lime.                                                       |
| 3445                               | 3454 | 9                    | Lime.                                                            |
| 3454                               | 3463 | 9                    | Sandy lime.                                                      |
| 3463                               | 3476 | 13                   | Lime. (Wire line measurement corrected depth from 3476 to 3467.) |
| 3467                               | 3477 | 10                   | Lime.                                                            |
| 3477                               | 3485 | 8                    | Sandy lime. (Oil show at 3477.)                                  |
| 3485                               | 3495 | 10                   | Hard lime.                                                       |
| 3495                               | 3504 | 9                    | Lime.                                                            |
| 3504                               | 3524 | 20                   | Oil sand, with fair appearance.                                  |
| 3524                               | 3533 | 9                    | Lime.                                                            |
| 3533                               | 3543 | 10                   | Lime?                                                            |
| 3543                               | 3548 | 5                    | Hard grey lime.                                                  |
| 3548                               | 3555 | 7                    | Grey lime.                                                       |
| 3555                               | 3563 | 8                    | Lime.                                                            |
| 3563                               | 3575 | 12                   | Sand, with some oil.                                             |
| 3575                               | 3577 | 2                    | Sandy lime.                                                      |
| Total depth, <del>3555</del> 3577. |      |                      |                                                                  |