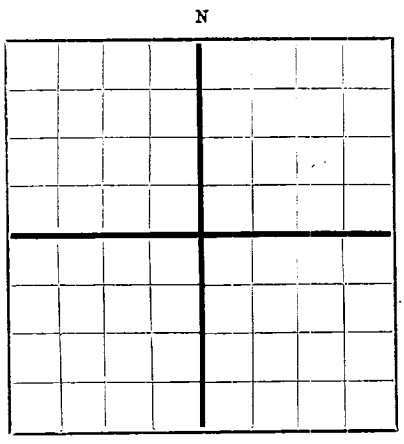
FORM C-105




AREA 640 ACRES
LOCATE WELL CORRECTLY

# 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. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.**

Malco-Resler-Yates — Company or Operator — 316 Carper Building — Address

State — Lease — Well No. 91 in SE NW of Sec. 30, T. 18S, R. 28E, N. M. P. M., Artesia Field, Eddy County.

Well is 1650 feet south of the North line and 2310 feet west of the East line of Sec. 30.

If State land the oil and gas lease is No. 647 Assignment No.

If patented land the owner is ..... Address .....

If Government land the permittee is ..... Address .....

The Lessee is Martin Yates, Jr. Address .....

Drilling commenced 4/28 19 48 Drilling was completed 5/30 19 48

Name of drilling contractor S. P. Yates Address Carper Building Artesia, N. M.

Elevation above sea level at top of casing 3564 feet.

The information given is to be kept confidential until ..... 19 .....

### OIL SANDS OR ZONES

No. 1, from 1960 to 2220 No. 4, from ..... to .....

No. 2, from ..... to ..... 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 ..... to ..... feet. .....

No. 2, from ..... to ..... feet. .....

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 | 28 | 10 Rd. | | 662 | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

### MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
|---|---|---|---|---|---|---|
| 10 3/4 | 8 5/8 | 662 | 100 | 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 |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | 350 Qts. | 5/25 | 1960-2110 | 2220 |
| | | | | | | |

Results of shooting or chemical treatment .....

No test of production before shot

### 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 0 feet to 2220 feet, and from ..... feet to ..... feet

### PRODUCTION

Put to producing 5/31, 19 48.

The production of the first 24 hours was ..... 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

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

Tom Bradshaw

Bill Trembly ..... Driller ..... 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 ..... day of ....., 19.....

..... Notary Public

My Commission expires .....

Artesia, New Mexico (Place) 6/2/48 (Date)

Name Silas S. Gibson

Position Secretary Operating Committee

Representing Malco-Resler-Yates (Company or Operator)

Address 316 Carper Building

# FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|---|---|---|---|
| 0 | 50 | | Caliche |
| 125 | 135 | | Red Sand w/. f.q.g. carried water |
| 135 | 200 | | " " " " " " " " |
| 200 | 220 | | 80% Red Sand 20% Anhydrite |
| 220 | 240 | | Gypsum |
| 240 | 300 | | 50% Gypsum 50% Anyd. |
| 325 | 345 | | 50% Gyp. 50% Red Sand |
| 345 | 358 | | 20% Gyp 80% Red Sand |
| 358 | 368 | | 10" Gyp 90% Lime |
| 368 | 375 | | 20% Gyp 80% Anhy. |
| 375 | 435 | | Anhy. ( Top Tansill) |
| 435-495 | 495 | | " |
| 495 | 505 | | 20% Anhy 80% Red Sand w/. F.G.g. |
| 505 | 512 | | " |
| 512 | 540 | | 90% " 10% Red Sand |
| 540 | 560 | | 95% " 5% Red Shale |
| 560 | 575 | | 90% " 10" Red Sand |
| 575 | 582 | | 80% " 20% Red Sand |
| 582 | 622 | | " " |
| 622 | 630 | | 80% " 20% " " |
| 630 | 640 | | " " |
| | | | 8 5/8" @ 662' |
| 804 | 822 | | 95% Anhy. 5% Red Sand |
| 822 | 900 | | " |
| 900 | 918 | | 50% " 50% pk sandy anhy. dolo. |
| 918 | 1071 | | " |
| 640 | 645 | | 95% Anhy 5% Red Sand |
| 645 | 695 | | " |
| 695 | 704 | | 99% Anhy 1 % Red Shaly Sand |
| 704 | 731 | | 99% " Trace Red Shale |
| 731 | 757 | | " |
| 757 | 786 | | 95% Anhy. 5% Red Shale |
| 786 | 804 | | 90% Anhy 10% pink sandy dolo. |
| 1071- | 1105 | | Anhydrite |
| 1105 | 1115 | | 90% " 10% Lientonitic Shale |
| 1115 | 1132 | | 95% Anhy. 5% Red Sand- Very anhy. dolo. |
| 1132 | 1146 | | 95% " 5% Blue Shale |
| 1146 | 1184 | | " |
| 1184 | 1194 | | 95% " 5% Red Shale |
| 1194 | 1206 | | " |
| 1206 | 1218 | | 80% " 20% Cmtd' Red Sand |
| 1218 | 1232 | | " |
| 1232 | 1248 | | 90% " 10" " " " |
| 1248 | 1307 | | " |
| 1307 | 1325 | | 95% " 5% Red Shale |
| 1325 | 1350 | | " |
| 1350 | 1393 | | 95% " 5% " " |
| 1393 | 1418 | | 90% " 10% " " |
| 1418 | 1430 | | 80% " 20% " " (Sandy) |
| 1430 | 1445 | | 80% Red Sand w/. f. g. g. 10% Anhy. 10% Red Shale |
| 1445 | 1459 | | 80% " " 20% " |
| 1459 | 1509 | | Anhy |
| 1509 | 1525 | | 95% " 5% Red Sand |
| 1525 | 1562 | | " |
| 1567 | 1575 | | Buff f. t. dolo. |
| 1575 | 1591 | | 70% pk. sandy dolo. 30% anhy. |
| 1591 | 1602 | | 60% Red Sand 40 % Anhy. |
| 1602 | 1617 | | 10% Red Sandy dolo. 90% " |
| 1617 | 1642 | | " |
| 1642 | 1654 | | 40% Buff Sandy dolo 60% Anhy. |
| 1654 | 1670 | | Cmtd' Grey sand |
| 1670 | 1705 | | 10% Red Sand 90% Anhy. |
| 1705 | 1722 | | " |
| 1722 | 1740 | | 10% Red Sand 90% " |
| 1740 | 1746 | | Buff f. x. dolo. |
| 1746 | 1760 | | 10% " " " " 10% Red Sand 80% Anhy. |
| 1760 | 1778 | | 80% pink sandy dolo 20% Anhy. |
| 1778 | 1817 | | Buff f. x. dolo. |
| 1817 | 1836 | | " " " " |
| 1836 | 1845 | | 95% Buff f. x. dolo 5% red silty sand |
| 1845 | 1864 | | 80% Buff f. x. dolo 20% Cmtd. grey sand-Some dead oil |
| 1864 | 1880 | | 90% " " 10% " " " " " " |
| 1880 | 1922 | | Light Buff f. x. dolo. |
| 1922- | 1934 | | 20% red sandy dolo 80% buff coardely x/ln. dolo. |
| 1934 | 1948 | | 10% grey cemented sd. 90% buff finely " " |
| 1948 | 1959 | | 30% pink sandy dolo 70% " " " " |
| 1959 | 1969 | | Buff f. x. dolo. |
| 1969 | 1983 | | 30% Buff f. x. dolo. 70% grey sand Well oil stained no flourescence |
| 1983 | 1996 | | " " " " " several dead oil stains or fractures |
| 1996 | 2007 | | 90% Buff f. x. dolo. 10% grey sand. No. oil stain |
| 2007 | 2016 | | Buff slightly sandy dolo. |
| 2016 | 2032 | | 90% Buff f. x. dolo 10% pk. f. x. dolo. |
| 2032 | 2040 | | 20% buff f. x. dolo 80% pk. f. x. dolo. |
| 2040 | 2056 | | 60% oil stained flourescence |
| 2056 | 2065 | | pk. f. x. dolo. |
| 2065 | 2083 | | 90% buff f. x. dolo 10% buff sandy dolo. |
| 2083 | 2095 | | 90% buff f. x. dolo 10% grey sandy dolo. |
| 2095 | 2110 | | 90% grey sandy dolo 10% grey Cmt. sand some stain |
| 2110 | 2125 | | grey to buff sandy dolo no flourescence |
| 2125 | 2140 | | 80% buff f. x. dolo. slightly rose colored 20% cmt. grey sand. no. stain f. g. g. |
| 2140 | 2157 | | 95% white f. x. dolo 5% grey cemt. sand. no stain |
| 2157 | 2173 | | Buff f. x. dolo 10% oil stained. oil& gas started filling up in run from 2157-2173. |
| 2173 | 2187 | | White f. x. dolo. 30% oil stained better than above |
| 2187 | 2002 | | 60% white f. x. dolo of which 40% oil stained porous 10% red sandy shale (Hard) |
| 2202 | 2216 | | Oil Stained porous dolo. |
| 2216 | 2220 | | white f. x. dolo 20% oil stained. |