

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

Form approved.  
Budget Bureau No. 42-R355.6.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

|                                                                                                                                                                                                                              |  |                                                                                                                                                             |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____                                                                                    |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM-0630                                                                                                              |  |
| b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____ |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                                                                                                        |  |
| 2. NAME OF OPERATOR<br>Martin Yates, III ✓                                                                                                                                                                                   |  | 7. UNIT AGREEMENT NAME                                                                                                                                      |  |
| 3. ADDRESS OF OPERATOR<br>323 Carper Building - Artesia, New Mexico 88210                                                                                                                                                    |  | 8. FARM OR LEASE NAME<br>LDY                                                                                                                                |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface 990' FNL and 2310' FWL Section 26-18S-25E<br>At top prod. interval reported below<br>At total depth               |  | 9. WELL NO.<br>1                                                                                                                                            |  |
| 14. PERMIT NO.                                                                                                                                                                                                               |  | DATE ISSUED                                                                                                                                                 |  |
| 15. DATE SPUDDED<br>5-28-66                                                                                                                                                                                                  |  | 16. DATE T.D. REACHED<br>6-26-66                                                                                                                            |  |
| 17. DATE COMPL. (Ready to prod.)<br>3-11-67                                                                                                                                                                                  |  | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br>3485 GL                                                                                                          |  |
| 19. ELEV. CASINGHEAD                                                                                                                                                                                                         |  | 20. TOTAL DEPTH, MD & TVD<br>2569                                                                                                                           |  |
| 21. PLUG, BACK T.D., MD & TVD                                                                                                                                                                                                |  | 22. IF MULTIPLE COMPL., HOW MANY*                                                                                                                           |  |
| 23. INTERVALS DRILLED BY<br>core Rig                                                                                                                                                                                         |  | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>1433-2569 San Andres Yeso                                                  |  |
| 25. WAS DIRECTIONAL SURVEY MADE<br>No                                                                                                                                                                                        |  | 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>Gamma Ray Neutron and Radioactive Tracer                                                                            |  |
| 27. WAS WELL CORED<br>Yes                                                                                                                                                                                                    |  | 28. CASING RECORD (Report all strings set in well)                                                                                                          |  |
| CASING SIZE                                                                                                                                                                                                                  |  | WEIGHT, LB./FT.                                                                                                                                             |  |
| 8-5/8"                                                                                                                                                                                                                       |  | 24#                                                                                                                                                         |  |
| 7"                                                                                                                                                                                                                           |  | 20#                                                                                                                                                         |  |
| 4 1/2"                                                                                                                                                                                                                       |  | 9.5#                                                                                                                                                        |  |
| DEPTH SET (MD)                                                                                                                                                                                                               |  | HOLE SIZE                                                                                                                                                   |  |
| 384'                                                                                                                                                                                                                         |  | 11"                                                                                                                                                         |  |
| 591'                                                                                                                                                                                                                         |  | 8"                                                                                                                                                          |  |
| 1722                                                                                                                                                                                                                         |  | 6-1/4"                                                                                                                                                      |  |
| CEMENTING RECORD                                                                                                                                                                                                             |  | AMOUNT PULLED                                                                                                                                               |  |
| 150 sx.                                                                                                                                                                                                                      |  | All of 7"                                                                                                                                                   |  |
| None                                                                                                                                                                                                                         |  |                                                                                                                                                             |  |
| 450 sx.                                                                                                                                                                                                                      |  |                                                                                                                                                             |  |
| 29. LINER RECORD                                                                                                                                                                                                             |  | 30. TUBING RECORD                                                                                                                                           |  |
| SIZE                                                                                                                                                                                                                         |  | TOP (MD)                                                                                                                                                    |  |
| BOTTOM (MD)                                                                                                                                                                                                                  |  | SACKS CEMENT*                                                                                                                                               |  |
| SCREEN (MD)                                                                                                                                                                                                                  |  | SIZE                                                                                                                                                        |  |
| 2-3/8"                                                                                                                                                                                                                       |  | DEPTH SET (MD)                                                                                                                                              |  |
| 2250                                                                                                                                                                                                                         |  | PACKER SET (MD)                                                                                                                                             |  |
| 31. PERFORATION RECORD (Interval, size and number)<br>1433-1445/24<br>1574-1579/10<br>1658-1668/20<br>1722-2569 - Open hole                                                                                                  |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.<br>DEPTH INTERVAL (MD)<br>1708-2450<br>AMOUNT AND KIND OF MATERIAL USED<br>17,125 Gal. 15% NE Acid           |  |
| 33. PRODUCTION<br>DATE FIRST PRODUCTION<br>3-11-67<br>PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br>Pumping - 1-1/2" Insert Pump<br>WELL STATUS (Producing or shut-in)<br>Producing                |  | DATE OF TEST<br>4-28-67<br>HOURS TESTED<br>24<br>CHOKE SIZE<br>20<br>PROD'N. FOR TEST PERIOD<br>TSTM<br>OIL—BBL.<br>GAS—MCF.<br>WATER—BBL.<br>GAS-OIL RATIO |  |
| FLOW. TUBING PRESS.<br>CASING PRESSURE<br>CALCULATED 24-HOUR RATE<br>OIL—BBL.<br>GAS—MCF.<br>WATER—BBL.<br>OIL GRAVITY-API (CORR.)                                                                                           |  | 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>TEST WITNESSED BY<br>MAY 2 1967<br>GEOLOGICAL SURVEY<br>NEW MEXICO                            |  |
| 35. LIST OF ATTACHMENTS                                                                                                                                                                                                      |  | 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                           |  |
| SIGNED <i>M. Yates</i>                                                                                                                                                                                                       |  | TITLE Agent                                                                                                                                                 |  |
| DATE 5-1-67                                                                                                                                                                                                                  |  |                                                                                                                                                             |  |

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the and/or State office. See instructions on items 22 and 24, and 53, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric logs, and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. They should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the Federal office for specific instructions.

**Item 16:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attached items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequate for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

| 37. SUMMARY OF POROUS ZONES:                                                                                                                                                                                       |      |        |                             | 38. GEOLOGIC MARKERS |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|-----------------------------|----------------------|-------------|
| SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES |      |        |                             | 39. NAME             |             |
| FORMATION                                                                                                                                                                                                          | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME                 | MEAS. DEPTH |
| Alluvium                                                                                                                                                                                                           | 284  | 294    | Sulfur Water                | San Andres           | 758         |
| Alluvium                                                                                                                                                                                                           | 380  | 405    |                             | Glorieta             | 2078        |
| San Andres                                                                                                                                                                                                         | 1053 | 1075   |                             | Yeso                 | 2145        |

N. M. O. C. C. C.

DEVIATION SURVEY

Martin Yates, III - LDY No. 1  
900' FNL & 2310' FWL of Sec. 26-18S-25E  
Eddy County, New Mexico

Depth  
2000'  
2500'

Deviation  
3/4 deg.  
3/4 deg.

Sworn to this 2nd day of May, 1967

*M. L. Armstrong*

M. L. Armstrong  
Agent

Yates Petroleum Corporation

State of New Mexico )  
:  
County of Eddy )

The foregoing instrument was acknowledged before me this 2nd day of May, 1967.

My Commission expires

Dec 15, 1967

*Jack Henry Lee*  
Notary Public in and for  
Eddy County, New Mexico

RECEIVED  
MAY 2 1967  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO