

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on  
reverse side)Form approved  
Budget Bureau No. 42-R355.6.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|                                                                                                                                                                                                                                  |                                       |                                                                                                                                                      |                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| 1a. TYPE OF WELL:<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____                                                                                     |                                       | 5. LEASE DESIGNATION AND SERIAL NO.<br>Sorensen 12264                                                                                                |                                                                       |
| b. TYPE OF COMPLETION:<br>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESERV. <input type="checkbox"/> Other _____ |                                       | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>Lake McMillan Federal <del>Indian</del> <b>SEC 30</b>                                                        |                                                                       |
| 2. NAME OF OPERATOR<br>Gulf Oil Corporation ✓                                                                                                                                                                                    |                                       | 7. UNIT AGREEMENT NAME<br>Lake McMillan Federal <del>Indian</del> <b>SEC 30</b>                                                                      |                                                                       |
| 3. ADDRESS OF OPERATOR<br>P. O. Box 670, Hobbs, NM 88240                                                                                                                                                                         |                                       | 8. FARM OR LEASE NAME<br>DEC 23 1980                                                                                                                 |                                                                       |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface 1450' FSL & 150' FEL<br>At top prod. interval reported below<br>At total depth                                        |                                       | 9. WELL NO.<br>1<br>10. FIELD AND POOL, OR FIELD OFFICE<br>Wildcat Wolfcamp<br>11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA<br>Sec 30-T19S-R27E |                                                                       |
| 14. PERMIT NO.<br>DATE ISSUED<br>DEC 19 1980<br>U.S. GEOLOGICAL SURVEY<br>ARTESIA, NEW MEXICO                                                                                                                                    |                                       | 12. COUNTY OR PARISH<br>Eddy NM                                                                                                                      |                                                                       |
| 15. DATE SPUNDED<br>8-12-80                                                                                                                                                                                                      | 16. DATE T.D. REACHED<br>9-19-80      | 17. DATE COMPL. (Ready to produce)<br>10-18-80                                                                                                       | 18. ELEV. CASINGHEAD<br>3324' GL                                      |
| 20. TOTAL DEPTH, MD & TVD<br>10,500'                                                                                                                                                                                             | 21. PLUG BACK T.D., MD & TVD<br>9722' | 22. IF MULTIPLE COMPL., HOW MANY*<br>Single                                                                                                          | 23. INTERVALS DRILLED BY<br>ROTARY TOOLS<br>CABLE TOOLS<br>0'-10,500' |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>7870-96' Wolfcamp                                                                                                                               |                                       |                                                                                                                                                      | 25. WAS DICTIONAL SURVEY MADE<br>No                                   |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>rehole Compensated Sonic Log, Computer Processed Log, CNL-FDC-GR, Dual<br>Later Log, Micrus-SM                                                                                           |                                       |                                                                                                                                                      | 27. WAS WELL CORED<br>No                                              |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                                               |                                       |                                                                                                                                                      |                                                                       |
| CASING SIZE                                                                                                                                                                                                                      | WEIGHT, LB./FT.                       | DEPTH SET (MD)                                                                                                                                       | HOLE SIZE                                                             |
| 13-3/8"                                                                                                                                                                                                                          | 48#                                   | 322'                                                                                                                                                 | 17 1/2"                                                               |
| 8-5/8"                                                                                                                                                                                                                           | 24#                                   | 2725'                                                                                                                                                | 12 1/4"                                                               |
| 5 1/2"                                                                                                                                                                                                                           | 15.5#&17#                             | 9753'                                                                                                                                                | 7-7/8"                                                                |
| 29. LINER RECORD                                                                                                                                                                                                                 |                                       |                                                                                                                                                      |                                                                       |
| SIZE                                                                                                                                                                                                                             | TOP (MD)                              | BOTTOM (MD)                                                                                                                                          | SACKS CEMENT*                                                         |
|                                                                                                                                                                                                                                  |                                       |                                                                                                                                                      |                                                                       |
| 30. TUBING RECORD                                                                                                                                                                                                                |                                       |                                                                                                                                                      |                                                                       |
| SIZE                                                                                                                                                                                                                             | DEPTH SET (MD)                        | PACKER SET (MD)                                                                                                                                      |                                                                       |
| 2-3/8"                                                                                                                                                                                                                           | 7810'                                 | 7810'                                                                                                                                                |                                                                       |
| 31. PERFORATION RECORD (Interval, size and number)<br>7870-76' & 7886-96' w/1/2" o-phase<br>decent burrless JHPF (17 holes)                                                                                                      |                                       |                                                                                                                                                      |                                                                       |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                                   |                                       |                                                                                                                                                      |                                                                       |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                              |                                       | AMOUNT AND KIND OF MATERIAL USED                                                                                                                     |                                                                       |
| 7870-96'                                                                                                                                                                                                                         |                                       | 6000 gal 20% NEEF slick HCL & (10) 7/8" RCNB's                                                                                                       |                                                                       |
| 33.* PRODUCTION                                                                                                                                                                                                                  |                                       |                                                                                                                                                      |                                                                       |
| DATE FIRST PRODUCTION<br>10-18-80                                                                                                                                                                                                |                                       | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br>Flowing                                                                      |                                                                       |
| WELL STATUS (Producing or shut-in)<br>Shut In                                                                                                                                                                                    |                                       |                                                                                                                                                      |                                                                       |
| DATE OF TEST<br>11-21-80                                                                                                                                                                                                         | HOURS TESTED<br>1                     | CHOKER SIZE<br>adj                                                                                                                                   | PROD'N. FOR TEST PERIOD<br>OIL—BBL.<br>0                              |
| FLOW, TUBING PRESS.<br>1485#                                                                                                                                                                                                     | CASING PRESSURE<br>0#                 | CALCULATED 24-HOUR RATE<br>0                                                                                                                         | GAS—MCF.<br>1526                                                      |
| WATER—BBL.<br>0                                                                                                                                                                                                                  |                                       | GAS-OIL RATIO<br>0                                                                                                                                   |                                                                       |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>Sold                                                                                                                                                               |                                       |                                                                                                                                                      |                                                                       |
| 35. LIST OF ATTACHMENTS<br>DST's                                                                                                                                                                                                 |                                       |                                                                                                                                                      |                                                                       |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                                                |                                       |                                                                                                                                                      |                                                                       |
| SIGNED<br>R. W. Wark                                                                                                                                                                                                             |                                       | TITLE<br>Area Engineer<br>NEW MEXICO                                                                                                                 |                                                                       |
| DATE<br>12-17-80                                                                                                                                                                                                                 |                                       |                                                                                                                                                      |                                                                       |

\*(See instructions and Special for Additional Data on Reverse Side)

**Check:** This form is designed for submitting a complete and correct well completion report and for on all types of lands and leases to either a Federal agency or a State agency 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 of copies to be submitted, particularly with regard to local, area, or official procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal office in your State office. See instructions on Items 22 and 23, and 24, below regarding separate reports for separate completions.

If and when prior to the time this summary record is submitted, copies of all currently available logs (drillers', geologists', stratigraphic and core analysis, etc.), formations, well and pressure logs, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 25.

If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or 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 attachments.

Items 22 and 23: If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 23 show the producing interval or intervals, top(s), bottom(s) and name(s) (if any) for only the interval referred to in Item 23. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 24: "Seals Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 25: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

| 38. | GEOLOGIC MARKERS | TOP         |  | TRUE VERT. DEPTH |
|-----|------------------|-------------|--|------------------|
|     |                  | MEAS. DEPTH |  |                  |
|     | 1st Bone Springs | 5190        |  |                  |
|     | 2nd Bone Springs | 5820        |  |                  |
|     | 3rd Bone Springs | 7180        |  |                  |
|     | Wolfcamp         | 7900        |  |                  |
|     | Cisco            | 8150        |  |                  |
|     | Canyon           | 8455        |  |                  |
|     | Strawn           | 8830        |  |                  |
|     | Atoka            | 9394        |  |                  |
|     | Norow Limestone  | 9540        |  |                  |