

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

See other in-  
structions on  
reverse side

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

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 _____                                                                                    |  | 11. FIELD AND POOL, OR WILDCAT<br>Basin Fruitland Coal               |  |
| 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. RESER. <input type="checkbox"/> Other _____ |  | 12. COUNTY OR PARISH<br>San Juan                                     |  |
| 2. NAME OF OPERATOR<br>Union Oil Company of California                                                                                                                                                                          |  | 13. STATE<br>NM                                                      |  |
| 3. ADDRESS OF OPERATOR<br>P. O. Box 671 - Midland, TX 79702                                                                                                                                                                     |  | 14. PERMIT NO.<br>20952778                                           |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with BLM Form 3160-1)<br>At surface 1250' FNL & 1690' FEL<br>At top prod. interval reported below<br>At total depth                                              |  | 15. DATE SPUDDED<br>5-10-90                                          |  |
| 16. DATE T.D. REACHED<br>5-14-90                                                                                                                                                                                                |  | 17. DATE COMPL. (Ready to prod.)<br>7-5-90                           |  |
| 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br>6442' GR                                                                                                                                                                             |  | 19. ELEV. CASINGHEAD                                                 |  |
| 20. TOTAL DEPTH, MD & TVD<br>2335'                                                                                                                                                                                              |  | 21. PLUG BACK T.D., MD & TVD<br>2331'                                |  |
| 22. IF MULTIPLE COMPLEMENTS, HOW MANY*                                                                                                                                                                                          |  | 23. INTERVALS DRILLED BY<br>0-2335'                                  |  |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>2159' - 2236' Fruitland Coal                                                                                                                   |  | 25. WAS DIRECTIONAL SURVEY MADE<br>No                                |  |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>SDL MRL GR CCL                                                                                                                                                                          |  | 27. WAS WELL CORED<br>Yes                                            |  |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                                              |  |                                                                      |  |
| CASING SIZE                                                                                                                                                                                                                     |  | WEIGHT, LB./FT.                                                      |  |
| 8 5/8"                                                                                                                                                                                                                          |  | 20#                                                                  |  |
| 4 1/2"                                                                                                                                                                                                                          |  | 11.60#                                                               |  |
| DEPTH SET (MD)                                                                                                                                                                                                                  |  | HOLE SIZE                                                            |  |
| 224"                                                                                                                                                                                                                            |  | 12 1/4"                                                              |  |
| 2335'                                                                                                                                                                                                                           |  | 7 7/8"                                                               |  |
| CEMENTING RECORD                                                                                                                                                                                                                |  | AMOUNT PULLED                                                        |  |
| Cl B 200 sxs                                                                                                                                                                                                                    |  |                                                                      |  |
| Cl H 150 sxs (1st stage)                                                                                                                                                                                                        |  |                                                                      |  |
| Cl B 525 sxs (2nd stage)                                                                                                                                                                                                        |  |                                                                      |  |
| DV @ 1899'                                                                                                                                                                                                                      |  |                                                                      |  |
| 29. LINER RECORD                                                                                                                                                                                                                |  |                                                                      |  |
| SIZE                                                                                                                                                                                                                            |  | TOP (MD)                                                             |  |
|                                                                                                                                                                                                                                 |  |                                                                      |  |
| BOTTOM (MD)                                                                                                                                                                                                                     |  | SACKS CEMENT*                                                        |  |
|                                                                                                                                                                                                                                 |  |                                                                      |  |
| SCREEN (MD)                                                                                                                                                                                                                     |  |                                                                      |  |
|                                                                                                                                                                                                                                 |  |                                                                      |  |
| 30. TUBING RECORD                                                                                                                                                                                                               |  |                                                                      |  |
| SIZE                                                                                                                                                                                                                            |  | DEPTH SET (MD)                                                       |  |
| 2 3/8"                                                                                                                                                                                                                          |  | 2201'                                                                |  |
| PACKER SET (MD)                                                                                                                                                                                                                 |  |                                                                      |  |
|                                                                                                                                                                                                                                 |  |                                                                      |  |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                                                                                              |  |                                                                      |  |
| 4SPF/.46"/2159-61', 2166-69', 2171', 2175', 2183', 2187', 2189', 2193-2195', 2200-02', 2226-2236' (116 holes)                                                                                                                   |  |                                                                      |  |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                                  |  |                                                                      |  |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                             |  | AMOUNT AND KIND OF MATERIAL USED                                     |  |
| 2159-2236'                                                                                                                                                                                                                      |  | 23,166 gals 30# BXL gel,                                             |  |
|                                                                                                                                                                                                                                 |  | 200,000# 20/40 sd & 655 MISC                                         |  |
|                                                                                                                                                                                                                                 |  | N <sub>2</sub>                                                       |  |
| 33. PRODUCTION                                                                                                                                                                                                                  |  |                                                                      |  |
| DATE FIRST PRODUCTION                                                                                                                                                                                                           |  | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |  |
|                                                                                                                                                                                                                                 |  | Flowing                                                              |  |
| DATE OF TEST                                                                                                                                                                                                                    |  | HOURS TESTED                                                         |  |
| 7-24-90                                                                                                                                                                                                                         |  | 24                                                                   |  |
| CHOKE SIZE                                                                                                                                                                                                                      |  | PROD'N. FOR TEST PERIOD                                              |  |
| 1"                                                                                                                                                                                                                              |  |                                                                      |  |
| OIL—BBL.                                                                                                                                                                                                                        |  | GAS—MCF                                                              |  |
| 0                                                                                                                                                                                                                               |  | 101                                                                  |  |
| WATER—BBL.                                                                                                                                                                                                                      |  | GAS-OIL RATIO                                                        |  |
| 20                                                                                                                                                                                                                              |  |                                                                      |  |
| FLOW. TUBING PRESS.                                                                                                                                                                                                             |  | CASING PRESSURE                                                      |  |
| 100#                                                                                                                                                                                                                            |  | 170#                                                                 |  |
| CALCULATED 24-HOUR RATE                                                                                                                                                                                                         |  | OIL—BBL.                                                             |  |
|                                                                                                                                                                                                                                 |  | GAS—MCF                                                              |  |
|                                                                                                                                                                                                                                 |  | WATER—BBL.                                                           |  |
|                                                                                                                                                                                                                                 |  | OIL GRAVITY-API (CORR.)                                              |  |
|                                                                                                                                                                                                                                 |  |                                                                      |  |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>Vented during testing                                                                                                                                             |  |                                                                      |  |
| 35. LIST OF ATTACHMENTS                                                                                                                                                                                                         |  |                                                                      |  |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.<br>SIGNED <u>Charlotte Beeson</u> TITLE <u>Drilling Clerk</u> DATE <u>8-3-90</u>             |  |                                                                      |  |

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (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):

| FORMATION      | TOP   | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME                                                  | TOP                              |                  |
|----------------|-------|--------|-----------------------------|-------------------------------------------------------|----------------------------------|------------------|
|                |       |        |                             |                                                       | MEAS. DEPTH                      | TRUE VERT. DEPTH |
| Fruitland Coal | 2159' | 2236'  | Black Coal                  | Ojo Alamo<br>Kirtland<br>Fruitland<br>Pictured Cliffs | 1376'<br>1436'<br>2086'<br>2289' |                  |

38. GEOLOGIC MARKERS