

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NM OIL CONS. COMMISSION  
Artesia, NM 88210

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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____                                                                                    |                                                                                                               | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM - 38464 |                                                                                        |
| 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. RESVR. <input type="checkbox"/> Other _____ |                                                                                                               | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>-         |                                                                                        |
| 2. NAME OF OPERATOR<br>Kaiser-Francis Oil Company                                                                                                                                                                               |                                                                                                               | 7. UNIT AGREEMENT NAME<br>-                       |                                                                                        |
| 3. ADDRESS OF OPERATOR<br>P. O. Box 21468, Tulsa, OK 74121-1468                                                                                                                                                                 |                                                                                                               | 8. FARM OR LEASE NAME<br>Pure Gold A Federal      |                                                                                        |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements).<br>At surface 1650' FSL & 330' FWL<br>At top prod. interval reported below Same<br>At total depth Same                             |                                                                                                               | 9. WELL NO.<br>4                                  |                                                                                        |
| 14. PERMIT NO.<br>-                                                                                                                                                                                                             |                                                                                                               | DATE ISSUED<br>3/26/93                            |                                                                                        |
| 15. DATE SPUDDED<br>5/5/93                                                                                                                                                                                                      |                                                                                                               | 16. DATE T.D. REACHED<br>5/17/93                  |                                                                                        |
| 17. DATE COMPL. (Ready to prod.)<br>6/20/93                                                                                                                                                                                     |                                                                                                               | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) *<br>3349  |                                                                                        |
| 19. ELEV. CASINGHEAD<br>n/a                                                                                                                                                                                                     |                                                                                                               | 20. TOTAL DEPTH, MD & TVD<br>8100                 |                                                                                        |
| 21. PLUG. BACK T.D., MD & TVD<br>8065                                                                                                                                                                                           |                                                                                                               | 22. IF MULTIPLE COMPL., HOW MANY *<br>n/a         |                                                                                        |
| 23. INTERVALS DRILLED BY<br>ROTARY TOOLS X                                                                                                                                                                                      |                                                                                                               | CABLE TOOLS                                       |                                                                                        |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) *<br>7755' - 7904' (Delaware)                                                                                                                      |                                                                                                               | 25. WAS DIRECTIONAL SURVEY MADE<br>Yes            |                                                                                        |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>DL-M-SFL, SD-DSNL                                                                                                                                                                       |                                                                                                               | 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                                                                                                            | 697                                               | 17 1/2                                                                                 |
| 8 5/8                                                                                                                                                                                                                           | 24 & 32                                                                                                       | 4075                                              | 11                                                                                     |
| 5 1/2                                                                                                                                                                                                                           | 17                                                                                                            | 8100                                              | 7 7/8                                                                                  |
| DV tool                                                                                                                                                                                                                         |                                                                                                               | 6187                                              | 7 7/8                                                                                  |
| 29. LINER RECORD                                                                                                                                                                                                                |                                                                                                               |                                                   |                                                                                        |
| SIZE                                                                                                                                                                                                                            | TOP (MD)                                                                                                      | BOTTOM (MD)                                       | SACKS CEMENT *                                                                         |
| None                                                                                                                                                                                                                            |                                                                                                               |                                                   |                                                                                        |
| 30. TUBING RECORD                                                                                                                                                                                                               |                                                                                                               |                                                   |                                                                                        |
| SIZE                                                                                                                                                                                                                            | DEPTH SET (MD)                                                                                                | PACKER SET (MD)                                   |                                                                                        |
| 2 7/8                                                                                                                                                                                                                           | 7701                                                                                                          | 7701                                              |                                                                                        |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                                                                                              |                                                                                                               |                                                   |                                                                                        |
| 7755', 7758', 7800', 7804', 7806',<br>7866'-69', 7872'-82', 7884'-86',<br>7892'-95', 7897'-7904' (72 holes - 1JSPF)                                                                                                             |                                                                                                               |                                                   |                                                                                        |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                                  |                                                                                                               |                                                   |                                                                                        |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                             | AMOUNT AND KIND OF MATERIAL USED                                                                              |                                                   |                                                                                        |
| 7755 - 7904                                                                                                                                                                                                                     | 3200 g. 7 1/2% HCL Pentol +<br>50750 g. Spectra Frac G +<br>136200# 16/30 Ottawa Sd +<br>35140# 16/30 RCS Sd. |                                                   |                                                                                        |
| 33. PRODUCTION                                                                                                                                                                                                                  |                                                                                                               |                                                   |                                                                                        |
| DATE FIRST PRODUCTION<br>6/20/93                                                                                                                                                                                                | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br>Flowing                               |                                                   | WELL STATUS (Producing or shut-in)<br>Producing                                        |
| DATE OF TEST<br>6/24/93                                                                                                                                                                                                         | HOURS TESTED<br>24                                                                                            | CHOKE SIZE<br>12/64                               | PROD'N. FOR TEST PERIOD<br>OIL—BBL. 451 GAS—MCF. 561 WATER—BBL. 132 GAS-OIL RATIO 1244 |
| FLOW. TUBING PRESS.<br>660                                                                                                                                                                                                      | CASINO PRESSURE<br>Pkr                                                                                        | CALCULATED 24-HOUR RATE<br>451                    | GAS—MCF. 561 WATER—BBL. 132 OIL GRAVITY-API (CORR.) 45                                 |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>To be sold                                                                                                                                                        |                                                                                                               |                                                   |                                                                                        |
| 35. LIST OF ATTACHMENTS<br>Logs, directional survey                                                                                                                                                                             |                                                                                                               |                                                   |                                                                                        |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records<br>SIGNED <u>C. Van Valkenburg</u> TITLE <u>Technical Director</u> DATE <u>7/1/93</u>         |                                                                                                               |                                                   |                                                                                        |

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

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):

38. GEOLOGIC MARKERS

| FORMATION     | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC.                                                                                                                                                        | NAME          | TOP         |                  |
|---------------|------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|------------------|
|               |      |        |                                                                                                                                                                                    |               | MEAS. DEPTH | TRUE VERT. DEPTH |
| Delaware      | 4170 | 6910   | Sand, Shale, limestone                                                                                                                                                             | Delaware      | 4170        | 4170             |
| Brushy Canyon | 6910 | 7942   | Sand, shale<br>Cored 5938' to 7900'<br>Sidewall cores: 5938', 5960', 5967, 6531, 6946, 7030, 7584, 7638, 7643, 7721.5, 7732.5, 7764, 7774, 7780, 7785, 7794, 7867, 7876, 7880 7900 | Brushy Canyon | 6910        | 6910             |
| Bone Springs  | 7942 | 8096   | Lime, sand, shale                                                                                                                                                                  | Bones Springs | 7942        | 7942             |

WELL NAME & NUMBER Pure C-1d A-4

LOCATION Sec. 21, T23S, R31E  
(Give Unit, Section, Township and Range)

OPERATOR Kaiser-Francis Oil Company P.O. Box 21468 Tulsa, Ok. 74121-1468

DRILLING CONTRACTOR Grace Drilling Company P.O. Box 13480 Odessa, Tx. 79768

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

| DEGREES @ DEPTH | DEGREES @ DEPTH | DEGREES @ DEPTH | DEGREES @ DEPTH |
|-----------------|-----------------|-----------------|-----------------|
| 1.00 203        | 1.25 6962       |                 |                 |
| 0.75 531        | 2.00 7945       |                 |                 |
| 0.50 686        |                 |                 |                 |
| 0.50 1007       |                 |                 |                 |
| 0.75 1480       |                 |                 |                 |
| 0.75 1953       |                 |                 |                 |
| 1.15 2838       |                 |                 |                 |
| 1.25 3343       |                 |                 |                 |
| 2.50 3501       |                 |                 |                 |
| 2.00 3754       |                 |                 |                 |
| 1.00 4038       |                 |                 |                 |
| 1.25 4191       |                 |                 |                 |
| 1.25 4500       |                 |                 |                 |
| 1.00 4978       |                 |                 |                 |
| 0.75 5480       |                 |                 |                 |

Drilling Contractor GRACE DRILLING COMPANY

By L. V. Bohannon  
L. V. BOHANNON, DRLG. SUPT.

Subscribed and sworn to before me this 3 day of June, 19 93

Joann McMahon  
Notary Public

My Commission Expires \_\_\_\_\_

Ector County TX

