Form 3160-4 (July 1992)

## UNITL STATES DEPARTMENT OF THE INTERIOR STATES STREET

FORM APPROVED

OMB NO. 1004-0137 Expires: February 28, 1995

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|   |              | BUREA         | U OF LAND N              | IANAGI                                 | EMENT                     | (11 5. 1           | NI             | M 8821               | )-2 <del>8</del> 34       | NM07260                                |                  |                                |
|---|--------------|---------------|--------------------------|--|---------------------------|--------------------|----------------|----------------------|---------------------------|--|------------------|--------------------------------|
| WELL COMP   | LETIC        | N OR          | RECOMP                   | LETIC                                  | N REF                     | PORT AN            | ۱D             | LOG*                 |                           | 6. IF INDIAN, AL                       | TOLLEE O         | R TRIBE NAME                   |
| 12. TYPE OF WELL:   |              | OIL<br>WELL   | GAS WELL                 | <del>7</del>                           | T                         | Other              |                |                      |                           | 7. UNIT AGREE                          | MENT NAM         | Œ                              |
| b. TYPE OF COMPL  | ETION:       | WELL          |                          |  |                           | Julet              |                |                      |                           | INDIAN                                 | HILLS            | UNIT                           |
| NEW WELL  | WORK C       | DEEP-         | PLUG T                   | ֓֞֓֓֓֓֓֓֓֓֓֓֓֟֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓ | FF.C W                    | Other RESUM        | E:D            | DRILLING             | *                         | 8. FARM OR LEA                         | SE NIAME         | WELL NO                        |
| 2. NAME OF OPERATOR   | OVER E       |               | / : ARK 2                | <del>- 1</del>                         | 2110 22                   | \                  |                |                      |                           | INDIAN                                 |                  |                                |
| Marathon Oil C  | ompany       |               | 14                       | - 10 m                                 | ian .                     | \$\                |                |                      |                           |  |                  | - π11                          |
| 3. ADDRESS AND TE   |              | NO.           | [3] E                    | Erru                                   | ਹਜ਼ੋ                      | OT .               |                |                      | - · · · · · · · · · · · · | 9. API WELL NO                         |                  |                                |
| P.O. Box 552  |              |               | 79702 OCA                | ECEIVE                                 | D                         | ਰ                  | 9              | <u> 15-682-16</u>    | 526                       | 30 - 015 -                             |                  | VII DCAT                       |
| 4. LOCATION OF WELL   | (Report le   | ocation clea  | rly and in accordan      | ice with ph                            | State requi               | rements)*          |                |                      |                           |  |                  | UPPER PENN                     |
| At surface<br>UL "0", 335' F  | SL & 18      | 380' FE       | L / E.                   |  | ્રે કે                    | 7                  |                |                      |                           | ASSOCIA                                |                  |                                |
| At top prod. interval r   |              |               | (E).                     |  |                           |                    |                |                      |                           | 11. SEC., T., R., N<br>AND SURVE       | 1., OR BLK       | •                              |
| A t total depth   |              |               |                          | 13 ET 3                                | , <b>4</b>                |                    |                |                      |                           | f                                      |                  | -S, R-24-E                     |
| At total depth  14. PERMIT NO. I ATE ISSUED   |              |               |                          |  |                           |                    |                |                      |                           | 12. COUNTY OR 13. STATE PARISH         |                  |                                |
|   |              |               |                          |  |                           |                    |                |                      |                           | EDDY                                   |                  | NM                             |
| 15. DATE SPUDDED  | 16. DATE     | T.D. REACH    | ED 17. DATE              | COMPL. (R                              | eady to prod.             | ) 18.              | ELE            | VATIONS (DF, R       | KB, RT, GF                | t, ETC.)*                              | 19. ELE          | V. CASINGHEAD                  |
| 5/28/96 *   | 6/2          | 1/99          | 7/13                     | 3/99                                   |                           |                    | GL             | 4087',KI             | 3-4104                    | ',DF-4103'                             | •                |                                |
| 20. TOTAL DEPTH, MD &   | TVD          |               | ACK T.D., MD & TV        | 22                                     | 2. IF MULTIPL<br>HOW MANY |                    |                | 23. INTER<br>DRILL   | VALS<br>ED BY             | ROTARY TO                              | DLS              | CABLE TOOLS                    |
| 8500'   |              | 8463          | ···                      |  |                           | <del></del>        |                |                      | <b>→</b>                  | ALL                                    |                  | NA POPOZNOVA                   |
| 24. PRODUCING INTERVA   | AL(S), OF TH | IS COMPLET    | TON - TOP, BOTTOM        | , NAME (M                              | D AND TVD)*               |                    |                |                      |                           |  |                  | WAS DIRECTIONAL<br>SURVEY MADE |
| UPPER PENN. 78  | 10' - 8      | 3466 '        |                          |  |                           |                    |                |                      |                           |  |                  | NO                             |
| 26. TYPE ELECTRIC AND   |              |               |                          | <del></del>                            |                           |                    |                | ·                    |                           |  | 27. WAS          | WELL CORED                     |
| DUAL LATEROLOG  |              |               | PECTRAL DEN              | SITY D                                 | UAL SPAC                  | ED NEUTRO          | M              | CSNG                 |                           |  |                  | NO                             |
| 28.   |              |               | ****                     |  |                           | rt all strings set |                |                      |                           | ······································ |                  |                                |
| CASING SIZE/GRADE   | WEI          | GHT, LB./FT.  | <del></del>              |  |                           | E SIZE             |                |                      | EMENT, CE                 | MENTING RECOR                          | D                | AMOUNT PULLED                  |
| -5/8", J-55   | 36#          | <del> </del>  | 1800'                    |  | 12.25"                    |                    |                | 900 SX, CIRC 15 SX T |                           |  | RFACE            | SET 6/1/96<br>SET 6/21/99      |
| 7". K-55  | 8500         | 8500° 8.75"   |                          |  |                           | 1035 SX. CIRC      |                |                      | 221 SX                    |  |                  |                                |
|   |              |               |                          |  | <u> </u>                  |                    |                |                      |                           |  |                  |                                |
|   |              |               | INER RECORD              |  | <u> </u>                  |                    |                | 30.                  |                           | TUBING REC                             | OPN              | <u> </u>                       |
| SIZE  | TOP (M       |               | BOTTOM (MD)              | SACKS                                  | SCREEN (MD)               |                    | SIZE           |                      | DEPTH SET (MD)            |  | PACKER SET (MD)  |                                |
|   |              |               |                          |  |                           |                    |                | 2-7/8                | "                         | 8294'                                  |                  | RBP @ 8300'                    |
|   |              |               |                          |  |                           |                    |                |                      |                           |  |                  |                                |
| 31. PERFORATION RECOR   |              |               |                          |  |                           | 32.                | A              | CID. SHOT, F         | RACTUR                    | E. CEMENT SO                           | UEEZE. J         | ETC.                           |
| 7814' - 7824' ,   | 7828'        | 7830',        | 7832' - 7834             | ', 783                                 | B' - 7852'                | DEPTH INT          |                |                      | <del></del>               | AMOUNT AND KIND OF MATERIAL USED       |                  |                                |
| 7866'-7886',  | 7917'        | 7919',        | 7921 ' - 7945            | <b>',</b> 795                          | 1'-7960'                  | 7814' - 7          | 980            | ) <u> </u>           | 9300                      | GALS. 15%                              | CCA SI           | DUR HCI                        |
| 7970' - 7980'   |              |               |                          |  |                           |                    |                |                      |                           |  |                  |                                |
|   |              |               |                          |  |                           | ļ                  |                |                      |                           |  |                  |                                |
| 33.*  | <u> </u>     |               | <del>,</del>             |  | PRODUCTI                  | ON                 |                |                      | <u> </u>                  |  |                  |                                |
| DATE FIRST PRODUCTION   | <del></del>  | PRODUCT       | TON METHOD (Flo          |  |                           |                    | f pui          | тр)                  |                           | WELL S                                 | TATUS (P)        | roducing or                    |
| 7/14/99-SWAB T  |              | SUB P         | UMP 2-K-34               | W/2 -                                  | 175 HP M                  | OTORS              |                |                      |                           | shut                                   | - <i>in)</i> SHU | JT IN                          |
| DATE OF TEST  | HOURS T      | <del></del>   | CHOKE SIZE               | PROD                                   | 'N FOR                    | OIL - BBL.         |                | GAS - MCF            |                           | WATER - BBL.                           | l G              | AS - OIL RATIO                 |
| NO TEST AVAIL   |              |               |                          | IEST                                   | PERIOD                    |                    |                | ACC                  | - Esta                    |  |                  |                                |
| NO TEST AVAIL  FLOW. TUBING PRESS.  CASING PRESSURE  CALCULATED 24-HOUR RATE  OIL - BBL.  GAS - M. F.  PE   DATER - BGE RECORD OIL GRAVITY - API (CORR.)  CHESTER |              |               |                          |  |                           |                    |                |                      | TTY - API (CORR.)         |  |                  |                                |
| 34. DISPOSITION OF GAS  | (Sold, used  | for fuel, ven | ited, etc.)              |  |                           |                    | - <del> </del> |                      |                           | TEST WITNESSE                          | ОВУ              |                                |
| ACTION OF A TRACE OF THE  | ro           |               |                          |  |                           |                    | <i>!</i>       | SEI                  |                           | <del>1999</del>                        |                  |                                |
| 35. LIST OF ATTACHMENT  |              | IDVEV         |                          |  |                           | 1                  | $r!U_1$        | REALLOS              |                           | -                                      | 1                |                                |
| 36. I hereby certify that the for   |              |               | ition is complete and co | rrect as deter                         | mined from all a          | vailable records   | ==             | ROSWELL              | AND M.                    | ANAGEMENT<br>CE AREADAL                | <del>-/</del>    |                                |
| L   | •            | , ,           | Pa ba                    |  |                           | dnoon Tr-          |                | inir                 | SESOUR                    | CE AREA                                | 10100            | /00                            |
| SIGNED  | ing          | 10            | )aske                    |  | TITLE Eng                 | ineer Tec          | <u> </u>       | ic ian               |                           |  | H 0/30           | צנו                            |

| Si.   | 9                           | TRUE<br>VERT. DEPTH |                            |            |           |      |             |                  |          |            |            |
|---|-----------------------------|---------------------|----------------------------|------------|-----------|------|-------------|------------------|----------|------------|------------|
| GEOLOGIC MARKERS  | a GF                        | MEAS. DEPTH         | 394                        | 1206       | 2790'     | 2938 | 5246'       | 7040             | 7332'    | 7810'      |            |
| GEOI  |                             | NAME                | QUEEN                      | SAN ANDRES | GLORIETTA | YESO | BONE SPRING | BONE SPRING SAND | WOLFCAMP | UPPER PENN |            |
| 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): | DESCRIPTION, CONTENTS, ETC. |                     | DOLOMITE, LIMESTONE, SHALE |            |           |      |             |                  |          |            |            |
| . (Show all importa<br>erval tested, cushio   | BOTTOM                      |                     | 8466                       |            |           |      |             |                  |          |            |            |
| POROUS ZONES<br>including depth int   | TOP                         |                     | 7810'                      |            |           |      |             |                  |          |            | RECEIVED   |
| 7. SUMMARY OF J<br>drill-stem, tests, i<br>recoveries):   | FORMATION                   |                     | PER PENN                   |            |           |      |             |                  |          |            | SEP C 1 SO |