## UNITED STATES

FOR APPROVED OMB NO. 1004-0137

| Form 3160-4                            | חרם           |                  |   |                  |                      |                   |                | (See other in-              | Expir  | Expires: December 31,1991 |                                |  |  |
|--|---------------|------------------|---|------------------|----------------------|-------------------|----------------|-----------------------------|--|---------------------------|--------------------------------|--|--|
| October 1990)                          |               |                  | MENT C                                  |                  |                      |                   | İ              | structions on               | 1 LEASE DESIGN   | TATION                    | AND SERIAL NO.                 |  |  |
|  |               | BUREA            | U OF LAN                                | D MANA           | AGEME                | NT                | _              | P ( reverse side)           | MM/02  | 380                       |                                |  |  |
| WELL CO                                | ANDI ET       | 10N C            | שברת                                    | MDIET            | TION E               | EDODI             | ΛNI            | 106*                        |  |                           | OR TRIBE NAME                  |  |  |
| 1a. TYPE OF WELL                       |               | OIL [            |   |                  | ION F                | IEPUNI            | AIVI           |                             |  |                           |                                |  |  |
|  |               | WELL             | GAS WELL                                | X DRY            | ۰ ⊔                  | THER              | <u> </u>       | = / Fig. 1                  | 7. UNIT AGREEM   | IENT NA                   | ME                             |  |  |
| b. TYPE OF COMP                        | WORK rm       | DEEP- [          | TT] PLUG [                              | DIFF.            | $\Box$               | D.                |                | .1 o t i o m                | 1  |                           |                                |  |  |
| WELL -                                 | OVER 🗀        | EN L             | BACK                                    | DIFF.<br>RESV    |                      |                   | ecom           | letion                      | ‡FARM OR LEA   |                           |                                |  |  |
| 2. NAME OF OPERAT                      |               |                  |   |                  |                      | ention:           |                |                             | Florance   | e 63                      | E Florance Of                  |  |  |
| Amoco Production  3. ADDRESS AND TE    |               |                  |   |                  | Pat                  | tty Haefele       |                |                             | 9. API WELL NO   |                           | _                              |  |  |
| P.O. Box 800, Den                      |               | •                | 01                                      |                  |                      |                   | (303)          | 830-4988                    | 30-045-  | <u> 2459</u>              | 5                              |  |  |
| 4. LOCATION OF WE                      |               |                  |   | rdance with c    | any State re         | quirements)*      |                |                             | 10. FIELD AND P  |                           |                                |  |  |
| At surface 980' FNL 1770' FEL UNIT B   |               |                  |   |                  |                      |                   |                |                             | Blanco Mesaverde   |                           |                                |  |  |
| At top prod. interval reported below   |               |                  |   |                  |                      |                   |                |                             | OR AREA  | ł                         |                                |  |  |
| At top prod. interv                    | ar reported t | Jelow            |   |                  |                      |                   |                |                             | S  | ection                    | 17                             |  |  |
| At total depth                         |               |                  |   |                  |                      |                   |                |                             | Township 2   | 7 N                       | Range <sub>SW</sub>            |  |  |
|  |               |                  |   | 14. PER          | MIT NO.              |                   | DATE           | ISSUED                      | 12. COUNTY O   | R                         | 13. STATE                      |  |  |
|  |               |                  |   |                  |                      |                   |                |                             | San Juai   | <u>a_</u>                 | New Mexico                     |  |  |
|  |               |                  | ED 17. DATI                             | •                | Ready to p           | rod.) 18          | B. ELEV.       | ATIONS (DF, RKB             |  | 19. EL                    | EV. CASINGHEAD                 |  |  |
| 3/2/81                                 |               | 2/81             | -                                       | /1/96            |                      |                   |                | 6765' G                     |  |                           |                                |  |  |
| 20. TOTAL DEPTH, MD                    | & TVD 21.     | PLUG, BA         | CK T.D., MD &                           | : TVD 22. ]      | IF MULTII<br>HOW MAN | PLE COMPL.<br>IY* | •              | 23. INTERVALS<br>DRILLED BY | ROTARY TOO   | LS !                      | · CABLE TOOLS                  |  |  |
| 7525                                   |               |                  | 473'                                    |                  |                      | 2                 |                | L                           | YES  |                           | NO                             |  |  |
| 24. PRODUCING INTER                    | (VAL(S), OF   | THIS COM         | PLETION - TO                            | <b>Р, ВОТТОМ</b> | i, NAME (I           | MD AND TV         | U)*            |                             |  | 25.                       | WAS DIRECTIONAL<br>SURVEY MADE |  |  |
| W1- /0                                 | 16 5110       |                  |   |                  |                      |                   |                |                             |  | ŀ                         |                                |  |  |
| Mesaverde 49 26. TYPE ELECTRIC AN      |               |                  |   | <del></del>      |                      |                   |                |                             |  | 17 WA                     | NO<br>S WELL CORED             |  |  |
| CBL                                    | VD OTREK D    | JUS KUN          |   |                  |                      |                   |                |                             | ľ  |                           |                                |  |  |
| 28.                                    | <del></del>   |                  |   | ASING DE         | CORD /8              | eport all stri    | nas sat        | in wall)                    |  | No.                       | 0                              |  |  |
| CASING SIZE/GRADE                      | WEIGHT        | LB./FT.          | DEPTH S                                 |                  |                      | LE SIZE           |                |                             | EMENTING RECO  | RD                        | AMOUNT PULLED                  |  |  |
| 9.625"                                 |               | <del></del>      |   |                  | 264' 12.25"          |                   |                | sx Class                    | ·  |                           |                                |  |  |
| 7.000"                                 | <del></del>   | 3#               | 3469'                                   |                  | 8.75"                |                   | 485 sx Class H |                             |  |                           |                                |  |  |
| 4.5"                                   | +             | 0.5#             | 7                                       | 525              | <b>+</b>             | .25"              |                | sx Class                    |  |                           |                                |  |  |
|  |               |                  |   |                  |                      |                   |                |                             |  |                           |                                |  |  |
| 29.                                    |               | LIN              | ER RECORD                               |                  |                      |                   |                | 30.                         | TUBING RE  | CORD                      |                                |  |  |
| SIZE                                   | TOP (MD)      | во               | TTOM (MD)                               | SACKS CI         | EMENT*               | SCREEN (          | MD)            | SIZE                        | DEPTH SET (M   | D)                        | PACKER SET (MD)                |  |  |
|  |               |                  |   |                  |                      |                   |                | 2.375"                      | 7370 <b>'</b>  |                           |                                |  |  |
|  |               |                  |   |                  |                      |                   |                |                             |  |                           |                                |  |  |
| 31. PERFORATION REC                    | ORD (Interfa  | 1 1 1 2 m. 1 1 1 | number) ,                               | g service was    |                      | 32.               | ACID           | , SHOT, FRACT               | URE, CEMENT S  | QUEE                      | ZE, ETC.                       |  |  |
| a                                      | 1             | り国じ              |   | 2                |                      | DEPTH I           |                |                             | AMOUNT AND KI  | ID OF                     | MATERIAL USED                  |  |  |
| See attachme                           | nt            | <b>.</b>         |   | e de la          |                      | See a             | attac          | hment                       |  |                           |                                |  |  |
|  |               | - MAY            | <b>1</b> 3 (85)                         |                  |                      |                   |                |                             |  |                           |                                |  |  |
|  | 6             | יחח ~            | S personal                              |                  |                      |                   |                |                             |  |                           |                                |  |  |
| 33.*                                   | (0)           | MR (C            | <del>New Trains</del>                   | ** ;             | DD C                 | LICTION           |                |                             |  |                           | <del></del>                    |  |  |
| DATE FIRST PRODUCT                     | ION To        | RODUCIT          | CONTINUED (                             | Flowing ac-      |                      | DUCTION           | une of m       |                             | Twit s   | PITTAT                    | (Producing or                  |  |  |
| 4/27/96                                |               | Flow             |   | g, gas           | .ց., թաուրս          | ATE WILL !        | ope of p       | <del></del>                 | shut-i   | n) .                      |                                |  |  |
|  | HOURS TEST    |                  | CHOKE SIZE                              | PROD'!           | N FOR                | OIL - BBL.        |                | GAS - MCF.                  | WATER - BBL  |                           | lst delivery  GAS-OIL RATIO    |  |  |
| 4/29/96                                | 24            | -                | 32/64                                   | PROD'I<br>TEST P | ERIÓD                | 0                 |                | 440                         | 1  |                           |                                |  |  |
| FLOW TUBING PRESS                      |               | SSURF            | ··· - · · · · · · · · · · · · · · · · · | OIL - B          | BL.                  | GAS -             | MCF.           | WATER                       |  | OIL GP                    | AVITY - API (CORR.)            |  |  |
|  | 60            | _ [              | CALCULATED<br>24-HOUR RATI              | E                | 0                    |                   | 440            |                             | 1  |                           | (00144)                        |  |  |
| 34. DISPOSITION OF GA                  |               | for fuel. v      | ented, etc.)                            | <del>-</del>     | <u> </u>             |                   |                | TEST W                      | TOTAL PARTY NAMED IN COLUMN TO THE PARTY NAME |                           |                                |  |  |
| To be sold                             | ,,            | J J 24, **       | . =-=-,                                 |                  |                      |                   |                |                             | ACCEPTED   | <b>FU</b> t               | RECORD                         |  |  |
| 35. LIST OF ATTACHM                    | ENTS          |                  |   |                  |                      |                   |                |                             | APPELIER   | <del>) U</del> I          | I HEAD.                        |  |  |
|  |               | e                | Not                                     | e: The           | e Mesa               | verde i           | forma          |                             |  |                           |                                |  |  |
| Perf and f<br>36. I hereby certify the | at the foreg  | oing and a       | attached inform                         | nation is co     | mplete and           | correct as        | determi        | ned from all avails         | able recordMAY   | 081                       | 1996                           |  |  |
| $\rho_{\alpha}$                        | .H. "         | 9/~              | 00000                                   |                  |                      |                   |                |                             | ••••   |                           | E / C / O C                    |  |  |
| SIGNED                                 | my            | ru               | yell                                    | Т                | TTLE                 | Staff A           | 15515          | Lane                        | DATE   | DIST                      | RICY OFFICE                    |  |  |
|  |               |                  | <del>-17</del>                          |                  |                      |                   |                |                             | 1. N 1/2012   1   1   1   1   1   1   1   1   1  | *****                     | 111 <b>41 4:</b>               |  |  |

\*(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 of keasy of the United States say false, fictitious or fraudulent statements or representations as to any person in its jurisdiction.

|          | TOP                         | VERT DEPTH  |  |  |
|----------|-----------------------------|-------------|--|--|
| <u> </u> |                             | MEAS. DEPTH | 7063'  |  |
|          | NAME                        |             | Greenhorn  |  |
|          | DESCRIPTION, CONTENTS, ETC. |             |  |  |
|          | BOTTOM                      |             | 4588'<br>4802'<br>5127'<br>5479'<br>6296'<br>7063'<br>7255'<br>TD    |  |
|          | TOP                         |             | Csg.<br>4588'<br>4802'<br>5127'<br>5479'<br>6296'<br>7151'           |  |
|          | FORMATION                   | *           | Lewis Cliffhouse Menefee Point Lookout Mancos Gallup Graneros Dakota |  |

MIRUSU 4/22/96. Set RBP at 5566', load and circulate hole clean, pressure test to 1000 psi, held ok. Run CBL from RBP at 5566' to top of liner at 3309'. Had good cement on top of liner. Limited entry perforations at: 4946', 5024', 5087', 5170', 5174', 5177', 5181', 5185', 5188', 5193', 5210', 5224', 5273', 5290', 5217', 5443' with 1 JSPF, 16 total shots, .340" diameter, 3.125" gun, 120 deg phasing, 12.5 gms. Acidize 4946-5443' with 12 bbls acid, max pressure 4000 psi, max rate 4.5 bpm. Breakdown perfs and ball off. Frac 4946-5443' with 89,911 lbs 16/30 sand; 1,218,336 scf; 70% quality, max pressure 2943 psi, max rate 47.0 bpm. Flowing well. Tag fill at 5153'. Cleanout with air to 5213'. Tag fill at 5176' - had a small influx of sand overnite, cleanout fill to rbp at 5566', retrieve rbp. Tag fill at 7430', cleanout with air to 7473'. Reland production tubing at 7370'. RDMOSU 5/1/96.

Note: This well has two names in NMOCD records. The Dakota is the Florance 63E. The Mesaverde is the Florance D 10R.