

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT IN DUPLICATE \*  
(See other in-  
structions on  
reverse side)FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995COPY  
RECEIVED  
DEC 24 1998  
OIL CON. DIV.  
FARMINGTON NM

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|                                                                                                                                                                                                                                                                                                                         |  |                                                                                    |             |                                             |                                                                           |                                                                                                                                                                                   |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|-------------|---------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------|----------------------------------|--------------------------------------------------------|--|--------------------------|--|-----------------|--|
| 1a. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>                                                                                                                                                                                       |  |                                                                                    |             |                                             | 5. LEASE DESIGNATION AND SERIAL NO.<br>SF 078497A                         |                                                                                                                                                                                   |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
| b. TYPE OF COMPLETION:<br>NEW <input type="checkbox"/> WORK <input type="checkbox"/> DEEP- <input type="checkbox"/> DIFF. <input type="checkbox"/><br>WELL <input checked="" type="checkbox"/> OVER <input type="checkbox"/> EN <input type="checkbox"/> RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/> |  |                                                                                    |             |                                             | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                      |                                                                                                                                                                                   |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
| 2. NAME OF OPERATOR<br>CONOCO INC.                                                                                                                                                                                                                                                                                      |  |                                                                                    |             |                                             | 7. UNIT AGREEMENT NAME<br>SAN JUAN 28-7 UNIT                              |                                                                                                                                                                                   |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
| 3. ADDRESS OF OPERATOR<br>10 Desta Drive, Ste. 100W Midland, Texas 79705-4500 (915) 686-5424                                                                                                                                                                                                                            |  |                                                                                    |             |                                             | 8. WELL OR LEASE NAME, WELL NO.<br>SAN JUA 28-7 UNIT #199E                |                                                                                                                                                                                   |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) *<br>At surface 385'FSL & 2155' FWL, UNIT LETTER 'N'<br>At top prod. Interval reported below<br>At total depth                                                                                                              |  |                                                                                    |             |                                             | 9. API WELL NO.<br>30-039-25816                                           |                                                                                                                                                                                   |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
| 10. FIELD AND POOL, OR WILDCAT<br>BASIN DAKOTA                                                                                                                                                                                                                                                                          |  |                                                                                    |             |                                             | 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA<br>SEC. 18, T28N - R07W |                                                                                                                                                                                   |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
| 14. PERMIT NO.                                                                                                                                                                                                                                                                                                          |  |                                                                                    | DATE ISSUED |                                             | 12. COUNTY OR PARISH<br>RIO ARriba COUNTY                                 |                                                                                                                                                                                   | 13. STATE<br>NM                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
| 15. DATE SPUDDED<br>6/1/98                                                                                                                                                                                                                                                                                              |  | 16. DATE T.D. REACHED<br>6/13/98                                                   |             | 17. DATE COMPL. (Ready to prod.)<br>7-16-98 |                                                                           | 18. ELEV. (DF, RKB, RT, GR, ETC) *<br>6780' GL                                                                                                                                    |                                 | 19. ELEV. CASINGHEAD                                        |                                  |                                                        |  |                          |  |                 |  |
| 20. TOTAL DEPTH, MD & TVD<br>7851'                                                                                                                                                                                                                                                                                      |  | 21. PLUG, BACK T.D. MD. & TVD<br>7848'                                             |             | 22. IF MULTIPLE COMPL. HOW MANY *           |                                                                           | 23. INTERVALS DRILLED BY<br>ROTARY <input checked="" type="checkbox"/> CABLE <input type="checkbox"/><br>TOOLS <input checked="" type="checkbox"/> TOOLS <input type="checkbox"/> |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
| 24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) *<br>7605' - 7805' BASIN DAKOTA                                                                                                                                                                                                           |  |                                                                                    |             |                                             |                                                                           |                                                                                                                                                                                   | 25. WAS DIRECTIONAL SURVEY MADE |                                                             |                                  |                                                        |  |                          |  |                 |  |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN                                                                                                                                                                                                                                                                                    |  |                                                                                    |             |                                             |                                                                           |                                                                                                                                                                                   | 27. WAS WELL CORED              |                                                             |                                  |                                                        |  |                          |  |                 |  |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                                                                                                                                      |  |                                                                                    |             |                                             |                                                                           |                                                                                                                                                                                   |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
| CASING SIZE/GRADE                                                                                                                                                                                                                                                                                                       |  | WEIGHT, LB/FT                                                                      |             | DEPTH SET (MD)                              |                                                                           | HOLE SIZE                                                                                                                                                                         |                                 | TOP OF CEMENT, CEMENTING RECORD                             |                                  | AMOUNT PULLED                                          |  |                          |  |                 |  |
| 9-5/8"                                                                                                                                                                                                                                                                                                                  |  | 36#                                                                                |             | 287'                                        |                                                                           | 12-1/4"                                                                                                                                                                           |                                 | 175 SXS                                                     |                                  |                                                        |  |                          |  |                 |  |
| 7"                                                                                                                                                                                                                                                                                                                      |  | 23#                                                                                |             | 3650'                                       |                                                                           | 8-3/4"                                                                                                                                                                            |                                 | 475 SXS                                                     |                                  |                                                        |  |                          |  |                 |  |
| 4-1/2"                                                                                                                                                                                                                                                                                                                  |  | 9.5#                                                                               |             | 7851'                                       |                                                                           | 6-1/4"                                                                                                                                                                            |                                 | 565 SXS                                                     |                                  |                                                        |  |                          |  |                 |  |
| 29. LINER RECORD                                                                                                                                                                                                                                                                                                        |  |                                                                                    |             |                                             |                                                                           | 30. TUBING RECORD                                                                                                                                                                 |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
| SIZE                                                                                                                                                                                                                                                                                                                    |  | TOP (MD)                                                                           |             | BOTTOM (MD)                                 |                                                                           | SACKS CEMENT *                                                                                                                                                                    |                                 | SCREEN (MD)                                                 |                                  | SIZE                                                   |  | DEPTH SET (MD)           |  | PACKER SET (MD) |  |
|                                                                                                                                                                                                                                                                                                                         |  |                                                                                    |             |                                             |                                                                           |                                                                                                                                                                                   |                                 |                                                             |                                  | 2-3/8"                                                 |  | 5566'                    |  |                 |  |
| 31. PERFORATION RECORD (Interval, size and number)                                                                                                                                                                                                                                                                      |  |                                                                                    |             |                                             |                                                                           | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                    |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
|                                                                                                                                                                                                                                                                                                                         |  |                                                                                    |             |                                             |                                                                           | DEPTH INTERVAL (MD)                                                                                                                                                               |                                 |                                                             | AMOUNT AND KIND OF MATERIAL USED |                                                        |  |                          |  |                 |  |
|                                                                                                                                                                                                                                                                                                                         |  |                                                                                    |             |                                             |                                                                           |                                                                                                                                                                                   |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
|                                                                                                                                                                                                                                                                                                                         |  |                                                                                    |             |                                             |                                                                           |                                                                                                                                                                                   |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
|                                                                                                                                                                                                                                                                                                                         |  |                                                                                    |             |                                             |                                                                           |                                                                                                                                                                                   |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
| 33. * PRODUCTION                                                                                                                                                                                                                                                                                                        |  |                                                                                    |             |                                             |                                                                           |                                                                                                                                                                                   |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
| DATE FIRST PRODUCTION<br>7-16-98                                                                                                                                                                                                                                                                                        |  | PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump)<br>FLOWING |             |                                             |                                                                           |                                                                                                                                                                                   |                                 | WELL STATUS (Producing or shut-in)<br>PRODUCING - DHC #1930 |                                  |                                                        |  |                          |  |                 |  |
| DATE OF TEST<br>7-13-98                                                                                                                                                                                                                                                                                                 |  | HOURS TESTED<br>24 HRS                                                             |             | CHOKE SIZE<br>1/2"                          |                                                                           | PROD'N FOR TEST PERIOD                                                                                                                                                            |                                 | OIL - BBL<br>3                                              |                                  | GAS - MCF<br>700 MCFD                                  |  | WATER - BBL<br>10        |  | GAS - OIL RATIO |  |
| FLOW. TUBING PRESS<br>403#                                                                                                                                                                                                                                                                                              |  | CASING PRESSURE<br>850#                                                            |             | CALCULATED 24 - HR RATE                     |                                                                           | OIL - BBL<br>3                                                                                                                                                                    |                                 | GAS - MCF<br>700 MCFD                                       |                                  | WATER - BBL<br>10                                      |  | OIL GRAVITY - API (CORR) |  |                 |  |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>VENTED                                                                                                                                                                                                                                                    |  |                                                                                    |             |                                             |                                                                           |                                                                                                                                                                                   |                                 |                                                             |                                  | TEST WITNESSED BY<br>Mario Sanchez w/Flint Engineering |  |                          |  |                 |  |
| 35. LIST OF ATTACHMENTS<br>SUMMARY                                                                                                                                                                                                                                                                                      |  |                                                                                    |             |                                             |                                                                           |                                                                                                                                                                                   |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                                                                                                                                       |  |                                                                                    |             |                                             |                                                                           |                                                                                                                                                                                   |                                 |                                                             |                                  |                                                        |  |                          |  |                 |  |
| SIGNED                                                                                                                                                                                                                                                                                                                  |  | DEBRA BEMENDERFER                                                                  |             |                                             |                                                                           |                                                                                                                                                                                   |                                 | TITLE                                                       |                                  | DEBRA BEMENDERFER, As Agent for Conoco Inc.            |  | DATE                     |  | 12-16-98        |  |

NMOC

FARMINGTON DISTRICT OFFICE

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 |
|           |     |        | SAN JUAN 28-7 UNIT #199E    |                 |             |                  |
|           |     |        |                             | Ojo Alamo       | 2438        |                  |
|           |     |        |                             | Kirtland        | 2536        |                  |
|           |     |        |                             | Fruitland fma   | 2920        |                  |
|           |     |        |                             | Pictured Cliffs | 3338        |                  |
|           |     |        |                             | Lewis           | 3502        |                  |
|           |     |        |                             | Chacra          | 4276        |                  |
|           |     |        |                             | Cliffhouse      | 4933        |                  |
|           |     |        |                             | Merlefee        | 5066        |                  |
|           |     |        |                             | Point Lookout   | 5560        |                  |
|           |     |        |                             | Mancos          | 6001        |                  |
|           |     |        |                             | Gallup          | 6764        |                  |
|           |     |        |                             | Greenhorn       | 7502        |                  |
|           |     |        |                             | Graneros        | 7559        |                  |
|           |     |        |                             | Dakota          | 7603        |                  |
|           |     |        |                             |                 | E           |                  |
|           |     |        |                             |                 |             |                  |

CONOCO, INC.  
**SAN JUAN 28-7 UNIT #199E**  
API#: 30-039-25816  
385' FSL & 2155' FWL, UNIT 'N'  
SEC. 18, T28N - R07W

- 6/16/98 MIRU.
- 6/17/98 PU, tally & TIH w/bit & tbg, tag cmt @ DO cmt to FC @ 7811', DO FC, cont. DO cmt to 7848', circ. hole clean w/1% KCl, TOO H, Ld annulus w/18bbbls 1% KCl, calc TOC @ 913', tested to 500#-OK.
- 6/18/98 RU WL, run TDT log from 7837' - 2050', RD WL.
- 6/22/98 RU BJ, WL, run GR correlation log from 7837' - 7490' & 5900' - 4700', POOH w/ WL, test csg to 4000# w/rig pump OK, RIH w/WL perf DK 7605' - 7805' w/26 holes as follows: 7605-07-09-11-13-16-19-22-25-28-31-7702-04-33-35-37-39-41-67-71-88-90-97-7803-05, RU BJ acidize DK perfs w/500G 15% HCl w/46 ball sealers @ 12.5 BPM, max. 3850#, avg. 2050#, good ball action did not ball, RIH ret 46 balls, 26 hits, Frac DK w/G 15# XL gel w/# 20/40 SDC @ 45 BPM, max. 3780#, avg. 3600#, ISIP 2200#, max. sand conc. 4#/gal, WL set comp BP @ 5800', test BP 4000# OK, Perf Point Lookout from 5561' - 5698' w/30 holes as follows: 5561-64-67-70-73-76-79-83-86-91-5600-02-07-09-15-17-27-29-35-37-47-51-57-67-69-84-86-94-96-5698, press 2000# during perfring, BD w/rig pump to 4000# no success, RIH spot 15 G 15% HCl across perfs from 5698' - 5677', BD to 4000#, no success.
- 6/23/98 RIH w/WL dump bail 15 G 28% HCl across btm perfs, acidize Point Lookout perfs w/500G 15% HCl w/27 ball sealers (ball injector locked up 20 ball, 47 loaded) RD ball injector, TIH w/WL JB ret 16 balls, 16 hits left 4 in well, BD perfs again w/1% KCl & 47 balls, 21 BPM, max. 4000#, good ball action, balled off, RIH ret 50 balls 30 hits, Frac Point Lookout w/51,680 G 15# XL gel w/71,274# 20/40 AZ & 9000# 20/40 SDC @ 53 BPM, max. 1343#, avg. 1200#, ISIP vac, RIH WL set BP @ 5542' test 4000# OK, Perf Menefee from 5145' - 5458' w/32 holes as follows: 5145-53-61-83-88-94-5208-14-21-27-38-45-54-58-62-5301-32-36-42-46-50-54-78-5404-06-32-36-40-44-50-54-5458' press to 2000# during perfring, acidize Menefee perfs w/500G 15% HCl w/45 balls @ 12 BPM, max. 4000#, good ball action balled off, air bubble in line caused approx. ½ bbls of 15% acid, RIH w/ WL JB ret 45 balls 29 hits, Frac Menefee w/65,106 G 15# gel w/113,000# 20/40 AZ & 12,000# 20/40 SDC @ 53 BPM, max. 3030#, avg. 2350#, ISIP 754#, max. sand conc. 3#/gal, RIH WL set BP @ 5130' test 4000# OK, Perf Cliffhouse 4867' - 5065' w/30 shots as follows: 4867-69-80-92-4935-40-42-60-63-66-70-72-84-86-91-93-5006-08-14-19-22-25-37-41-45-49-53-57-61-5065, press to 2000# while perfring, didn't break, BD w/rig pump ¼ BPM @ 3500#, spot 15 gal 28% HCl across perfs tag fill in csg @ 5008' while spotting acid.
- 6/24/98 TIH, tag sand fill @ 5010', circ. clean, TOO H, RU BJ acidize Cliffhouse perfs (4867' - 5065') w/500 G 15% HCl w/50 ball sealers @ 13 BPM, max. 1565#, avg. 1050#, good ball action, didn't ball off, ISIP 0#, RIH w/ WL JB ret 42 balls 26 hits (30 holes), Frac Cliffhouse w/ G 15# XL gel w/75,000# 20/40 AZ & 12,000# 20/40 SDC @ 48 BPM, max. 2152#, avg. 1650#, ISIP 300#, max. sand conc. 3#/gal, RD BJ, ND frac valve & "Y", RU 6" "T" & blewey line, RU gas comps.
- 6/25/98 TIH w/64 jts tbg attempt to unload well w/one comp, went down on low suction, not enough line press to run comps.
- 6/26/98 TIH w/mm & tbg tag fill @ 4950', CO to 5130', DO top half of BP, well started making excess sand, circ. clean, BP in hole, PU tbg to 4800'.
- 6/29/98 TIH from 4800' to 4950' unload well, cont. in hole tag BP @ 5130', DO BP & cont. in hole tag fill @ 5390', CO to 5530', circ. clean, PU tbg to 4830'.

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- 6/30/98 TIH tag fill @ 5520' CO to 5542', circ. Clean, DO BP @ 5542', cont. in hole tag fill @ 5694', CO to 5800', circ. clean. TEST MV w/1/2" choke 300# tbg, 720# csg, 10 BWPD, 5 BOPD, 1980 MCFD test witnessed by Mario Sanchez w/Flint Engineering, remove choke, DO BP & cont. I hole to 6000', PU tbg to 4850'.
- 7/1/98 TIH tag fill @ 7722', CO to 7848', circ. clean, TOOH.
- 7/2/98 No tbg in well, flow thru 2" to clean up all day, did not run tbg today.
- 7/7/98 RIH, SN & tbg, tagged sand @ 7790'. Started up & clean sand to PBTD @ 7848', for 58' of fill, pull tbg up above MV perfs.
- 7/9/98 RH & tagged sand @ 7818' for 30' of fill, cleaned sand to PBTD @ 7848', made soap sweeps, to clean well, pull up above MV @ 4850', well still making sand.
- 7/13/98 RIH & tagged sand @ 7808', for 40' of fill, cleaned sand to PBTD @ 7848' and flowed well thru 2" line to clean up, install 1/2" choke to TEST DK 403# tbg. 850# csg, 10 BWPD, 3 BOPD, gives DK 700 MCFD rate test witnessed by Mario Sanchez w/Flint Engineering, (NOTE: Entire wellbore making 2680 MCFD) remove choke, Pull up tbg to 4820'.
- 7/14/98 TIH from 4820' to tag fill @ 7836', CO TO PBTD @ 7848', clean up, PU tbg to 4820'.
- 7/15/98 TIH from 4820' to tag fill @ 7844', CO to PBTD @ 7848', circ. clean, TOOH, SN & tbg, TIH. Set BP over DK @ 7590' (DK perfs 7605' - 7805'), set BP w/press bomb over Point Lookout @ 5550' (PL perfs 5561' - 5698'), set BP w/press bomb over Menefee @ 5135' (Mene perfs 5145' - 5458'), TOOH w/tbg.
- 7/16/98 BD csg & kill w/40 bbls 1% KCl, TIH, SN & tbg land tbg @ 5566' KB, NDBOP, NUWH, RIH tag SN @ 4858' KB, POOH & RIH & set press bomb in SN @ 4858' for Cliffhouse build up, Cliffhouse perfs 4867' - 5065', lock & tag casing & master valve closed for press build up, RDMO. FINAL REPORT.