

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

| 1a. TYPE OF WELL:<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____                                                                                                                                                                                                                                                                                                                                       |                                                                       |                                    |                         | 5. LEASE DESIGNATION AND SERIAL NO.<br>SF 078389A                                   |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------|-------------------------|-------------------------------------------------------------------------------------|---------------|-----------------------|-----------------------------------------------------------------------|------------------------------------|-----------------------------------|------------------|------------------------------------|---------------------|------------------------------------|---------|---------|------------|--|----|-----|-------|--------|--------|--|--------|-------|-------|--------|--------|--|
| 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                                                |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 2. NAME OF OPERATOR<br>EL PASO NATURAL GASCOMPANY                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                       |                                    |                         | 7. UNIT AGREEMENT NAME<br>San Juan 32-9 Unit                                        |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 3. ADDRESS OF OPERATOR<br>BOX 289, FARMINGTON, NEW MEXICO 87401                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                       |                                    |                         | 8. FARM OR LEASE NAME<br>San Juan 32-9 Unit                                         |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface 1750'N, 1480'W<br>At top prod. interval reported below<br>At total depth                                                                                                                                                                                                                                                                                                |                                                                       |                                    |                         | 9. WELL NO.<br>21A                                                                  |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 14. PERMIT NO. _____ DATE ISSUED _____                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                       |                                    |                         | 10. FIELD AND POOL, OR WILDCAT<br>Blanco Mesa Verde                                 |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 15. DATE SPUDDED 4-24-78 16. DATE T.D. REACHED 5-4-78 17. DATE COMPL. (Ready to prod.) 11-7-78 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6153' Gr 19. ELEV. CASINGHEAD                                                                                                                                                                                                                                                                                                               |                                                                       |                                    |                         | 11. SEC., T., R., M. OR BLOCK AND SURVEY OR AREA<br>Sec. 11, T-31-N, R-10-W<br>NMPM |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 20. TOTAL DEPTH, MD & TVD 5678' 21. PLUG, BACK T.D., MD & TVD ----- 22. IF MULTIPLE COMPL., HOW MANY* ----- 23. INTERVALS DRILLED BY ----- ROTARY TOOLS 0-5678 CABLE TOOLS                                                                                                                                                                                                                                                                                                         |                                                                       |                                    |                         | 12. COUNTY OR PARISH<br>San Juan                                                    |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>4510-5678' (MV)                                                                                                                                                                                                                                                                                                                                                                                   |                                                                       |                                    |                         | 13. STATE<br>New Mexico                                                             |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 25. TYPE ELECTRIC AND OTHER LOGS RUN<br>Gamma-Ind.; CDL-GR; Noise Log, Bond Log, Temp Survey                                                                                                                                                                                                                                                                                                                                                                                       |                                                                       |                                    |                         | 26. WAS DIRECTIONAL SURVEY MADE<br>NO                                               |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 27. WAS WELL CORED<br>No                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                       |                                    |                         | 28. CASING RECORD (Report all strings set in well)                                  |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| <table border="1"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>9 5/8"</td><td>36#</td><td>215'</td><td>13 3/4"</td><td>195 cu.ft.</td><td></td></tr><tr><td>7"</td><td>20#</td><td>3248'</td><td>8 3/4"</td><td>787 cf</td><td></td></tr><tr><td>4 1/2"</td><td>10.5#</td><td>5487'</td><td>6 1/4"</td><td>243 cf</td><td></td></tr></tbody></table> |                                                                       |                                    |                         |                                                                                     |               | CASING SIZE           | WEIGHT, LB./FT.                                                       | DEPTH SET (MD)                     | HOLE SIZE                         | CEMENTING RECORD | AMOUNT PULLED                      | 9 5/8"              | 36#                                | 215'    | 13 3/4" | 195 cu.ft. |  | 7" | 20# | 3248' | 8 3/4" | 787 cf |  | 4 1/2" | 10.5# | 5487' | 6 1/4" | 243 cf |  |
| CASING SIZE                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | WEIGHT, LB./FT.                                                       | DEPTH SET (MD)                     | HOLE SIZE               | CEMENTING RECORD                                                                    | AMOUNT PULLED |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 9 5/8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 36#                                                                   | 215'                               | 13 3/4"                 | 195 cu.ft.                                                                          |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 7"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20#                                                                   | 3248'                              | 8 3/4"                  | 787 cf                                                                              |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 4 1/2"                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10.5#                                                                 | 5487'                              | 6 1/4"                  | 243 cf                                                                              |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 29. LINER RECORD                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                       |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
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| SIZE                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TOP (MD)                                                              | BOTTOM (MD)                        | SACKS CEMENT*           | SCREEN (MD)                                                                         |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                       |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 30. TUBING RECORD                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                       |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| <table border="1"><thead><tr><th>SIZE</th><th>DEPTH SET (MD)</th><th>PACKER SET (MD)</th></tr></thead><tbody><tr><td>2 3/8"</td><td>5471</td><td></td></tr></tbody></table>                                                                                                                                                                                                                                                                                                        |                                                                       |                                    |                         |                                                                                     |               | SIZE                  | DEPTH SET (MD)                                                        | PACKER SET (MD)                    | 2 3/8"                            | 5471             |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| SIZE                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DEPTH SET (MD)                                                        | PACKER SET (MD)                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 2 3/8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5471                                                                  |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 31. PERFORATION RECORD (Interval, size and number)<br>4510, 4608, 4648, 4655, 4757, 4780, 4803, 4822, 4835, 4840, 4846, 4855, 4872, 4877, 4959, 4996, 5028, 5049, 5055, 5101, 5107' w/1 SPZ. 5219, 5225, 5231, 5237, 5244, 5249, 5254, 5264, 5270, 5276, 5282, 5288, 5310, 5332, 5342, 5366, 5389' w/1 SPZ                                                                                                                                                                         |                                                                       |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                       |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| <table border="1"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td>4510-5107'</td><td>66,000# sand, 116,000 gal slick w</td></tr><tr><td>5219-5389'</td><td>49,000# sand, 89,000 gal slick wtr</td></tr><tr><td>open hole</td><td>55,000# sand, 65,000 gal gel cond.</td></tr></tbody></table>                                                                                                                          |                                                                       |                                    |                         |                                                                                     |               | DEPTH INTERVAL (MD)   | AMOUNT AND KIND OF MATERIAL USED                                      | 4510-5107'                         | 66,000# sand, 116,000 gal slick w | 5219-5389'       | 49,000# sand, 89,000 gal slick wtr | open hole           | 55,000# sand, 65,000 gal gel cond. |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                | AMOUNT AND KIND OF MATERIAL USED                                      |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 4510-5107'                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 66,000# sand, 116,000 gal slick w                                     |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 5219-5389'                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 49,000# sand, 89,000 gal slick wtr                                    |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| open hole                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 55,000# sand, 65,000 gal gel cond.                                    |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 33.* PRODUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                       |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
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| DATE FIRST PRODUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PRODUCTION METHOD (Flowing, gas lift, pumping, size and type of pump) | WELL STATUS (Producing or shut-in) |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                       | Shut in                            |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| <table border="1"><thead><tr><th>DATE OF TEST</th><th>HOURS TESTED</th><th>CHOKE SIZE</th><th>PROD'N. FOR TEST PERIOD</th><th>OIL—BBL.</th><th>GAS—MCF.</th><th>WATER—BBL.</th><th>GAS-OIL RATIO</th></tr></thead><tbody><tr><td>11-7-78</td><td>3</td><td>3/4" var.</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>                                                                                                                                        |                                                                       |                                    |                         |                                                                                     |               | DATE OF TEST          | HOURS TESTED                                                          | CHOKE SIZE                         | PROD'N. FOR TEST PERIOD           | OIL—BBL.         | GAS—MCF.                           | WATER—BBL.          | GAS-OIL RATIO                      | 11-7-78 | 3       | 3/4" var.  |  |    |     |       |        |        |  |        |       |       |        |        |  |
| DATE OF TEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | HOURS TESTED                                                          | CHOKE SIZE                         | PROD'N. FOR TEST PERIOD | OIL—BBL.                                                                            | GAS—MCF.      | WATER—BBL.            | GAS-OIL RATIO                                                         |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 11-7-78                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                                                                     | 3/4" var.                          |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| <table border="1"><thead><tr><th>FLOW. TUBING PRESS.</th><th>CASING PRESSURE</th><th>CALCULATED 24-HOUR RATE</th><th>OIL—BBL.</th><th>GAS—MCF.</th><th>WATER—BBL.</th><th>GRAVITY-API (CORR.)</th></tr></thead><tbody><tr><td>SI 582</td><td>SI 582</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>                                                                                                                                                         |                                                                       |                                    |                         |                                                                                     |               | FLOW. TUBING PRESS.   | CASING PRESSURE                                                       | CALCULATED 24-HOUR RATE            | OIL—BBL.                          | GAS—MCF.         | WATER—BBL.                         | GRAVITY-API (CORR.) | SI 582                             | SI 582  |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| FLOW. TUBING PRESS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CASING PRESSURE                                                       | CALCULATED 24-HOUR RATE            | OIL—BBL.                | GAS—MCF.                                                                            | WATER—BBL.    | GRAVITY-API (CORR.)   |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| SI 582                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SI 582                                                                |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                       |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 35. LIST OF ATTACHMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                       |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.                                                                                                                                                                                                                                                                                                                                                 |                                                                       |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |
| SIGNED <u>A. G. Buice</u> TITLE <u>Drilling Clerk</u> DATE <u>Dec. 1, 1978</u>                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                       |                                    |                         |                                                                                     |               |                       |                                                                       |                                    |                                   |                  |                                    |                     |                                    |         |         |            |  |    |     |       |        |        |  |        |       |       |        |        |  |

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

NMOCC

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

| 37. SUMMARY OF POROUS ZONES:<br>SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING<br>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                 | MEAS. DEPTH<br>TOP<br>TRUE VERT. DEPTH |
|                                                                                                                                                                                                                                                       |     |        |                             | M.V.<br>P.I.         | 4502<br>5211                           |