

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 |
| Queen      | 3290' |        | Gray fine grain sand                                                         |      |             |                  |
| Penrose    | 3402' |        | Gray fine grain sand                                                         |      |             |                  |
| San Andres | 3812' |        | Tan to brown medium crystalline Dolomite                                     |      |             |                  |
| Paddock    | 5087' |        | Cream colored crystalline Dolomite                                           |      |             |                  |
| Blinebry   | 5245' |        | Tan to brown fine to medium Dolomite                                         |      |             |                  |
| Tubb       | 5895' |        | Fine grain, tan to gray Sandstone                                            |      |             |                  |
| Drinkard   | 6078' |        | Dolomite, off white, buff to cream to tan                                    |      |             |                  |
| Abo        | 6431' |        | Cream, tan to brown, very fine to fine crystalline, sucrosic, slightly limey |      |             |                  |

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|                                                                                                                                                                                                                                 |                                                                                                       |                                                                          |                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------|
| 1a. TYPE OF WELL:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____                                                                                    |                                                                                                       | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM LC064118                       |                                                            |
| b. TYPE OF COMPLETION:<br>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PILE BACK <input type="checkbox"/> DIFF. CENVR. <input type="checkbox"/> Other _____ |                                                                                                       | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____                               |                                                            |
| 2. NAME OF OPERATOR<br>PLAINS PETROLEUM OPERATING COMPANY                                                                                                                                                                       |                                                                                                       | 7. UNIT AGREEMENT NAME _____                                             |                                                            |
| 3. ADDRESS OF OPERATOR<br>415 W. Wall, Suite 1000 Midland, TX 79701                                                                                                                                                             |                                                                                                       | 8. FARM OR LEASE NAME<br>E. C. HILL "B" FEDERAL                          |                                                            |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface Unit Letter J, 2600' FSL & 2280' FEL<br>At top prod. interval reported below<br>At total depth API.#30-025-33494     |                                                                                                       | 9. WELL NO.<br>19                                                        |                                                            |
| 14. PERMIT NO. _____ DATE ISSUED<br>6-10-96                                                                                                                                                                                     |                                                                                                       | 10. FIELD AND POOL OR WILDCAT<br>Teague Blinebry                         |                                                            |
| 15. DATE SPUDDED<br>8-9-96                                                                                                                                                                                                      |                                                                                                       | 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA<br>Sec. 34, T23S, R37E |                                                            |
| 16. DATE T.D. REACHED<br>8-24-96                                                                                                                                                                                                |                                                                                                       | 12. COUNTY OR PARISH<br>LEA                                              |                                                            |
| 17. DATE COMPL. (Ready to prod.)<br>9-11-96                                                                                                                                                                                     |                                                                                                       | 13. STATE<br>NM                                                          |                                                            |
| 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br>GR 3274'                                                                                                                                                                             |                                                                                                       | 19. ELEV. CASINGHEAD _____                                               |                                                            |
| 20. TOTAL DEPTH, MD & TVD<br>6520'                                                                                                                                                                                              |                                                                                                       | 21. PLUG, BACK T.D., MD & TVD<br>CIBP @ 6170'                            |                                                            |
| 22. IF MULTIPLE COMPL., HOW MANY* _____                                                                                                                                                                                         |                                                                                                       | 23. INTERVALS DRILLED BY<br>6520'                                        |                                                            |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>Upper Blinebry 5259'-5407'                                                                                                                     |                                                                                                       | 25. WAS DIRECTIONAL SURVEY MADE _____                                    |                                                            |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>MLL, SGR, CDL, CNL, GR, Caliper                                                                                                                                                         |                                                                                                       | 27. WAS WELL CORED<br>No                                                 |                                                            |
| 28. CASING RECORD (Report all strings set in well)                                                                                                                                                                              |                                                                                                       |                                                                          |                                                            |
| CASING SIZE                                                                                                                                                                                                                     | WEIGHT, LB./FT.                                                                                       | DEPTH SET (MD)                                                           | HOLE SIZE                                                  |
| 8-5/8"                                                                                                                                                                                                                          | 24#                                                                                                   | 1145' KB                                                                 | 12-1/4"                                                    |
| 5-1/2"                                                                                                                                                                                                                          | 14 & 15.5#                                                                                            | 6513'                                                                    | 7-7/8"                                                     |
|                                                                                                                                                                                                                                 |                                                                                                       |                                                                          | 50:50                                                      |
| 29. LINER RECORD                                                                                                                                                                                                                |                                                                                                       |                                                                          |                                                            |
| SIZE                                                                                                                                                                                                                            | TOP (MD)                                                                                              | BOTTOM (MD)                                                              | SACKS CEMENT*                                              |
|                                                                                                                                                                                                                                 |                                                                                                       |                                                                          |                                                            |
| 30. TUBING RECORD                                                                                                                                                                                                               |                                                                                                       |                                                                          |                                                            |
| SIZE                                                                                                                                                                                                                            | DEPTH SET (MD)                                                                                        | PACKER SET (MD)                                                          |                                                            |
| 2-3/8"                                                                                                                                                                                                                          | 5164.22                                                                                               | 5164.22                                                                  |                                                            |
| 31. PERFORATION RECORD (Interval, size and number)<br>5259'-5407' (111 holes) 4" 3 JSPF 0.44"                                                                                                                                   |                                                                                                       |                                                                          |                                                            |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.                                                                                                                                                                                  |                                                                                                       |                                                                          |                                                            |
| DEPTH INTERVAL (MD)                                                                                                                                                                                                             | AMOUNT AND KIND OF MATERIAL USED                                                                      |                                                                          |                                                            |
| 5259'-5407'                                                                                                                                                                                                                     | 6000 gal 15% NEFE HCl & 180 ball sealers. Frac w/172,000# & 2095 bbls 25 Delta frac & 16/30 mesh sand |                                                                          |                                                            |
| 33. PRODUCTION                                                                                                                                                                                                                  |                                                                                                       |                                                                          |                                                            |
| DATE FIRST PRODUCTION<br>9-12-96                                                                                                                                                                                                | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)<br>Flowing                       | WELL STATUS (Producing or shut-in)<br>Producing                          |                                                            |
| DATE OF TEST<br>9-17-96                                                                                                                                                                                                         | HOURS TESTED<br>24                                                                                    | CHOKE SIZE<br>64/64"                                                     | PROD'N. FOR TEST PERIOD                                    |
|                                                                                                                                                                                                                                 |                                                                                                       |                                                                          | OIL—BSL. 53 GAS—MCF. 155 WATER—BSL. 239 GAS-OIL RATIO 2925 |
| FLOW. TUBING PRESS.<br>120                                                                                                                                                                                                      | CASING PRESSURE                                                                                       | CALCULATED 24-HOUR RATE                                                  | OIL—BSL. GAS—MCF. WATER—BSL. OIL GRAVITY-API (CORR.) 38.6° |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>Sold                                                                                                                                                              |                                                                                                       |                                                                          |                                                            |
| 35. LIST OF ATTACHMENTS<br>Inclination                                                                                                                                                                                          |                                                                                                       |                                                                          |                                                            |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records                                                                                               |                                                                                                       |                                                                          |                                                            |
| SIGNED <u>Bonnie Husband</u>                                                                                                                                                                                                    |                                                                                                       | TITLE Administrative Assistant                                           |                                                            |
|                                                                                                                                                                                                                                 |                                                                                                       | DATE 9-25-96                                                             |                                                            |

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