

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

| | | | | | | | |
|---|--|---|--|---|------------------------------------|---|-------|
| 1a. TYPE OF WELL: | | OIL WELL <input type="checkbox"/> | GAS WELL <input checked="" type="checkbox"/> | DRY <input type="checkbox"/> | Other | | |
| b. TYPE OF COMPLETION: | | 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 |
| 2. NAME OF OPERATOR Matador Operating Company | | | | | | 5. LEASE DESIGNATION AND SERIAL NO. NM 27570 | |
| 3. ADDRESS AND TELEPHONE NO. 8340 Meadow Rd., #158, Dallas, TX 75231 214-987-7144 | | | | | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1650 FNL, 1980 FEL At top prod. interval reported below same At total depth same | | | | | | 7. UNIT AGREEMENT NAME | |
| 14. PERMIT NO. | | | | | | DATE ISSUED | |
| 12. COUNTY OR PARISH Lea | | | | | | 13. STATE NM | |
| 15. DATE SPUDDED 2-4-99 | | 16. DATE T.D. REACHED 3-10-99 | | 17. DATE COMPL. (Ready to prod.) 5-18-99 | | 18. ELEVATIONS (DF, RKB, RT, GE, ETC.) 3598 GL | |
| 19. ELEV. CASINGHEAD 3598' | | 20. TOTAL DEPTH, MD & TVD 13,722' | | 21. PLUG, BACK T.D., MD & TVD 13,255' | | 22. IF MULTIPLE COMPL., HOW MANY* | |
| 23. INTERVALS DRILLED BY → | | ROTARY TOOLS X | | CABLE TOOLS | | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* 13,212'-20' MD 13,234'-42' MD | |
| 25. WAS DIRECTIONAL SURVEY MADE No | | 26. TYPE ELECTRIC AND OTHER LOGS RUN GR/DLL-BHC Sonic, GR/CNL-LDT, GR/RFT, GR/RSCT | | 27. WAS WELL CORED No (SWC only) | | 28. CASING RECORD (Report all strings set in well) | |
| CASING SIZE/GRADE | | WEIGHT, LB/FT. | | DEPTH SET (MD) | | HOLE SIZE | |
| 13-3/8 H-40 | | 48 | | 510 | | 17-1/2 | |
| 8-5/8 J55/S80 | | 32 | | 4525 | | 11 | |
| 5-1/2 L80/P110 | | 17 | | 13,722 | | 7-7/8 | |
| 29. LINER RECORD | | 30. TUBING RECORD | | SIZE | | DEPTH SET (MD) | |
| SIZE | | TOP (MD) | | BOTTOM (MD) | | SACKS CEMENT* | |
| 2-7/8 | | 13,095 | | 13,095 | | PACKER SET (MD) | |
| 31. PERFORATION RECORD (Interval, size and number) 13,212-20 6 SPF 48 shots 13,234-42 6 SPF 48 shots | | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 13,212-20, 13,234-42 | | AMOUNT AND KIND OF MATERIAL USED 40,000 lb 20/40 + 15,250 gal | | | |
| (ORIG. SGD.) GARY GOURLEY | | | | | | | |
| 33. * PRODUCTION | | DATE FIRST PRODUCTION 5-17-99 | | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing | | WELL STATUS (Producing or shut-in) Producing | |
| DATE OF TEST 7-16-99 | | HOURS TESTED 24 | | CHOKE SIZE 3/4" | | PROD'N FOR TEST PERIOD → | |
| OIL—BBL. 0 | | GAS—MCF. 208 | | WATER—BBL. 0 | | GAS-OIL RATIO NA | |
| FLOW. TUBING PRESS. 600 | | CASING PRESSURE 0 | | CALCULATED 24-HOUR RATE → | | OIL GRAVITY-API (CORR.) | |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold | | TEST WITNESSED BY Tommy Willyard | | | | | |
| 35. LIST OF ATTACHMENTS Inclination survey, DDL log, C-104 | | | | | | | |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records | | SIGNED <u>J. W. Bell</u> | | TITLE <u>Drilling Manager</u> | | DATE <u>8-7-99</u> | |

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and content thereof, cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|---------------|---------|---------|---|
| Middle Morrow | 13,210' | 13,220' | Sidewall Core @ 13,214' Perm = 5.24 ϕ = 10.2% RFT Pressure = 6554# |
| Middle Morrow | 13,233' | 13,342' | Sidewall Core @ 13,236' Perm = 49.9 ϕ = 9.5% RFT Pressure = 6524# |
| Middle Morrow | 13,264' | 13,282' | Sidewall Core @ 13,272' Perm = 0.629 ϕ = 11.1% RFT Pressure = 1390# |
| Middle Morrow | 13,298' | 13,312' | Sidewall Core @ 13,306' Perm = 0.949 ϕ = 7.8% RFT Pressure = 1616# |
| Middle Morrow | 13,318' | 13,327' | Sidewall Core @ 13,322' Perm = 0.193 ϕ = 7.7% RFT Pressure 2399# |
| Middle Morrow | 13,379' | 13,394' | Sidewall Core @ 13,386' Perm = 0.064 ϕ = 6.2% |
| Middle Morrow | 13,406' | 13,412' | Sidewall Core @ 13,408' Perm = 0.056 ϕ = 4.8% |

| 38. GEOLOGICAL MARKERS | | | 38. GEOLOGICAL MARKERS | | |
|------------------------|-------------|------------------|------------------------|-------------|------------------|
| NAME | TOP | | NAME | TOP | |
| | MEAS. DEPTH | TRUE VERT. DEPTH | | MEAS. DEPTH | TRUE VERT. DEPTH |
| Yates | 3121' | 3121' | | | |
| Delaware | 5540' | 5540' | | | |
| Bone Spring | 7994' | 7994' | | | |
| Wolfcamp | 10800' | 10880' | | | |
| Strawn | 12115' | 12115' | | | |
| Atoka | 12381' | 12381' | | | |
| Morrow | 12953' | 12953' | | | |