

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NMCCD

FORM APPROVED  
OMB No. 1004-0137  
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|   |  |                                    |  |                                      |  |
|---|--|------------------------------------|--|--------------------------------------|--|
| 1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other   |  |                                    | 5. Lease Serial No.<br>NMNM94594   |                                      |  |
| b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr.<br>Other _____ |  |                                    | 6. If Indian, Allottee or Tribe Name   |                                      |  |
| 2. Name of Operator<br>MACK ENERGY CORPORATION  |  |                                    | 7. Unit or CA Agreement Name and No.   |                                      |  |
| Contact: ROBERT CHASE<br>E-Mail: jerrys@mackenergycorp.com  |  |                                    | 8. Lease Name and Well No.<br>DOGWOOD FEDERAL 1  |                                      |  |
| 3. Address P O BOX 960<br>ARTESIA, NM 88211-0960  |  |                                    | 9. API Well No.<br>30-015-32927-00-S1  |                                      |  |
| 3a. Phone No. (include area code)<br>Ph: 505.748.1288   |  |                                    | 10. Field and Pool, or Exploratory<br>LOGAN DRAW WOLFCAMP  |                                      |  |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*<br>Sec 25 T17S R27E Mer NMP<br>At surface SENW 2310FNL 1650FWL<br>At top prod interval reported below<br>At total depth            |  |                                    | 11. Sec., T., R., M., or Block and Survey<br>or Area Sec 25 T17S R27E Mer NMP  |                                      |  |
| 14. Date Spudded<br>10/27/2003  |  |                                    | 15. Date T.D. Reached<br>11/16/2003  |                                      |  |
| 16. Date Completed<br><input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.<br>12/06/2003   |  |                                    | 17. Elevations (DF, KB, RT, GL)*<br>3573 GL  |                                      |  |
| 18. Total Depth: MD<br>TVD 7331   |  | 19. Plug Back T.D.: MD<br>TVD 7312 |  | 20. Depth Bridge Plug Set: MD<br>TVD |  |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)<br>GR N D L SGR   |  |                                    | 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)<br>Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)<br>Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis) |                                      |  |

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 12.250    | 8.625 J-55 | 32.0        | 0        | 410         |                      | 260                          |                   |             |               |
| 7.875     | 5.500 J-55 | 17.0        | 0        | 7326        |                      | 2225                         |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |
|           |            |             |          |             |                      |                              |                   |             |               |

24. Tubing Record

| Size  | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.375 | 6830           | 6830              |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation   | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|-------------|------|--------|---------------------|-------|-----------|--------------|
| A) WOLFCAMP | 6885 | 6905   | 6885 TO 6905        | 0.450 | 20        | OPEN         |
| B)          |      |        |                     |       |           |              |
| C)          |      |        |                     |       |           |              |
| D)          |      |        |                     |       |           |              |

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

| Depth Interval | Amount and Type of Material |
|----------------|-----------------------------|
| 6885 TO 6905   | 1500 GALS 15% HCL           |
|                |                             |
|                |                             |

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JAN 28 2004

OCD-ARTESIA

28. Production - Interval A

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 12/16/2003          | 12/16/2003           | 24           | →               | 10.0    | 673.0   | 1.0       |                       |             | FLOW FROM WELL    |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
|                     | 900                  | 32.0         | →               | 10      | 673     | 1         | 67300                 | POW         |                   |

28a. Production - Interval B

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                      |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

ACCEPTED FOR RECORD

JAN 27 2004

ALEXIS C. SWOBODA  
PETROLEUM ENGINEER

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #26544 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

**28b. Production - Interval C**

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                      |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

**28c. Production - Interval D**

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                      |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
**SOLD**

**30. Summary of Porous Zones (Include Aquifers):**

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.

**31. Formation (Log) Markers**

| Formation | Top  | Bottom | Descriptions, Contents, etc. | Name  | Top Meas. Depth  |
|-----------|------|--------|------------------------------|---|--|
| WOLFCAMP  | 6885 | 6905   |                              | SEVEN RIVERS<br>QUEEN<br>GRAYBURG<br>SAN ANDRES<br>GLORIETA<br>TUBB-<br>ABO<br>WOLFCAMP | 454<br>977<br>1410<br>1761<br>3110<br>4624<br>5196<br>6274 |

**32. Additional remarks (include plugging procedure):**

12/04/2003 Drill out DV tool.  
12/05/2003 RIH w/2 3/8" J-55 tubing, packer @ 6830' 219 joints. Perforated from 6885-6905' 20 holes.  
12/06/2003 Acidized w/1500 gals 15% HCL, shut well in.

**33. Circle enclosed attachments:**

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #26544 Verified by the BLM Well Information System.**  
**For MACK ENERGY CORPORATION, sent to the Carlsbad**  
**Committed to AFMSS for processing by ARMANDO LOPEZ on 01/26/2004 (04AL0038SE)**

Name (please print) JERRY SHERRELL

Title PRODUCTION CLERK

Signature \_\_\_\_\_ (Electronic Submission)

Date 01/24/2004

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***