

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE  
(Other information on reverse side)

OMB NO. 1004-0137  
Expires: December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO.  
**LC-029405-B**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

7. UNIT AGREEMENT NAME

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

8. FARM OR LEASE NAME, WELL NO.  
**GC Federal #1**

2. NAME OF OPERATOR

**Mack Energy Corporation**

9. API WELL NO.

**30-025-35814**

3. ADDRESS AND TELEPHONE NO.

**P.O. Box 960, Artesia, NM 88211-0960**

**(505) 748-1288**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

10. FIELD AND POOL, OR WILDCAT

**Maljamar Paddock**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

**Sec 19 T17S R32E**

At surface

**2225 FSL & 2406 FEL**

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH  
**Lea**

13. STATE  
**NM**

15. DATE SPUDDED

**1/28/02**

16. DATE T.D. REACHED

**2/20/02**

17. DATE COMPL. (Ready to prod.)

**4/12/02**

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

**3946' RKB**

19. ELEV. CASING HEAD

**3934'**

20. TOTAL DEPTH, MD & TVD

**7085'**

21. PLUG, BACK T.D., MD & TVD

**6015'**

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY  
**Rotary Tools**

ROTARY TOOLS

**Yes**

CABLE TOOLS

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*

**5982'-5998' Paddock**

25. WAS DIRECTIONAL SURVEY MADE

**Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN

**Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray**

27. WAS WELL CORED

**No**

28.

**CASING RECORD (Report all strings set in well)**

| CASING SIZE/GRADE  | WEIGHT, LB./FT | DEPTH SET (MD) | HOLE SIZE     | TOP OF CEMENT, CEMENTING RECORD | AMOUNT PULLED |
|--------------------|----------------|----------------|---------------|---------------------------------|---------------|
| <b>13 3/8 J-55</b> | <b>48</b>      | <b>654'</b>    | <b>17 1/2</b> | <b>525 SX</b>                   | <b>None</b>   |
| <b>8 5/8 J-55</b>  | <b>32</b>      | <b>2121'</b>   | <b>12 1/4</b> | <b>900 SX</b>                   | <b>None</b>   |
| <b>5 1/2 J-55</b>  | <b>17</b>      | <b>7053'</b>   | <b>7 7/8</b>  | <b>1550 SX</b>                  | <b>None</b>   |

29.

**LINER RECORD**

| SIZE | T O P (MD) | BOTTOM (MD) | SACKS CEMENT | SCREEN (MD) | SIZE         | DEPTH SET (MD) | PACKER SET (MD) |
|------|------------|-------------|--------------|-------------|--------------|----------------|-----------------|
|      |            |             |              |             | <b>2 7/8</b> | <b>6005'</b>   |                 |

**30. TUBING RECORD**

31. PERFORATION RECORD (Interval, size and number)

**5982'-5998', .40, 64**

**32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC**

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED              |
|---------------------|-----------------------------------------------|
| <b>5982'-5998'</b>  | <b>1000 gals 15% Acid</b>                     |
| <b>5982'-5998'</b>  | <b>60,000 Gals 35# Gel, 1200sx 16/30 sand</b> |

33.

**PRODUCTION**

| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) |                        |           |              | WELL STATUS (Producing or shut-in) |               |
|-----------------------|-----------------|------------------------------------------------------------------------|------------------------|-----------|--------------|------------------------------------|---------------|
| <b>4/15/02</b>        |                 | <b>2 1/2x2x20" Pump</b>                                                |                        |           |              | <b>Producing</b>                   |               |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE                                                             | PROD'N FOR TEST PERIOD | OIL-BBL.  | GAS-MCF.     | WATER-BBL.                         | GAS-OIL RATIO |
| <b>4/25/02</b>        | <b>24</b>       |                                                                        |                        | <b>60</b> | <b>49</b>    | <b>38</b>                          | <b>817</b>    |
| FLOW. TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE                                                | OIL-BBL.               | GAS-MCF.  | WATER - BBL. | OIL GRAVITY - API (CORR.)          |               |
|                       |                 |                                                                        | <b>60</b>              | <b>49</b> | <b>38</b>    | <b>36</b>                          |               |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

**Sold**

35. LIST OF ATTACHMENTS

**Deviation Survey**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

*[Signature]*

TITLE

**Production Analyst**

DATE

**5/1/02**

\*(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 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):

| FORMATION        | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|------------------|------|--------|-----------------------------|
| Maljamar Paddock | 5982 | 5998   |                             |

38. GEOLOGIC MARKERS

| NAME         | TOP        |                 |
|--------------|------------|-----------------|
|              | MEAS.DEPTH | TRUE VERT.DEPTH |
| Yates        | 1964       |                 |
| Seven Rivers | 2334       |                 |
| Queen        | 2940       |                 |
| San Andres   | 3632       |                 |
| Glorietta    | 5196       |                 |