

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NMOC NM OIL CONSERVATION  
Artesia ARTESIA DISTRICT

FEB 02 2017

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

|  |  |   |  |
|--|--|---|--|
| 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>NMNM131580   |  |
| 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@MEC.COM  |  | 8. Lease Name and Well No.<br>PRINCE RUPERT FEDERAL 2                                 |  |
| 3. Address P.O. BOX 960<br>ARTESIA, NM 88211-0960  |  | 9. API Well No.<br>30-005-64223-00-S1   |  |
| 3a. Phone No. (include area code)<br>Ph: 575-748-1288  |  | 10. Field and Pool, or Exploratory<br>ROUND TANK-SAN ANDRES                           |  |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*<br>At surface NESW 1650FSL 1650FWL<br>At top prod interval reported below NESW 1650FSL 1650FWL<br>At total depth NESW 1650FSL 1650FWL   |  | 11. Sec., T., R., M., or Block and Survey<br>or Area Sec 20 T15S R29E Mer NMP         |  |
| 12. County or Parish<br>CHAVES   |  | 13. State<br>NM   |  |
| 14. Date Spudded<br>08/18/2016   |  | 15. Date T.D. Reached<br>08/21/2016   |  |
| 16. Date Completed<br><input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.<br>01/05/2017  |  | 17. Elevations (DF, KB, RT, GL)*<br>3758 GL   |  |
| 18. Total Depth: MD 3497<br>TVD 3497   |  | 19. Plug Back T.D.: MD 3444<br>TVD 3444   |  |
| 20. Depth Bridge Plug Set: MD<br>TVD   |  | 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)<br>CNL DLL FDC GR |  |
| 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 checked="" type="checkbox"/> No <input 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 Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 12.250    | 8.625 J-55 | 24.0        | 0        | 211         |                      | 450                         | 107               | 0           | 0             |
| 7.875     | 5.500 J-55 | 17.0        | 0        | 3492        |                      | 725                         | 182               | 0           | 0             |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |
|           |            |             |          |             |                      |                             |                   |             |               |

24. Tubing Record

| Size  | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.875 | 3301           |                   |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation     | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|---------------|------|--------|---------------------|-------|-----------|--------------|
| A) SAN ANDRES | 2922 | 3319   | 2922 TO 3122        | 0.420 | 40        | OPEN         |
| B)            |      |        | 3145 TO 3319        | 0.420 | 40        | OPEN         |
| C)            |      |        |                     |       |           |              |
| D)            |      |        |                     |       |           |              |

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

| Depth Interval | Amount and Type of Material   |
|----------------|---|
| 2922 TO 3319   | 2500GALS 15% ACID, 39,943# 100 MESH, 22,915BBLs SW, 490,220# 40/70 WS |
|                |   |
|                |   |

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     |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-----------------------|
| 01/07/2017          | 01/17/2017           | 24           | →               | 60.0    | 70.0    | 400.0     | 37.2                  | 0.60        | ELECTRIC PUMPING UNIT |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                       |
|                     |                      |              | →               | 60      | 70      | 400       | 1167                  | 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  
BY DAVID R. GLASS  
JAN 24 2017

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

ELECTRONIC SUBMISSION #364655 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

DAVID R. GLASS

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM PETROLEUM ENGINEER

RECLAMATION DUE:  
JUL 05 2017

## 28b. Production - Interval C

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

## 28c. Production - Interval D

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

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

## 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<br>Meas. Depth |
|------------|------|--------|------------------------------|--------------|--------------------|
| QUATERNARY | 0    | 80     |                              | YATES        | 837                |
| QUEEN      | 1559 | 1569   | SAND, OIL/GAS/WATER          | SEVEN RIVERS | 1070               |
| SAN ANDRES | 2860 | 3325   | DOLOMITE, OIL/GAS/WATER      | QUEEN        | 1559               |
|            |      |        |                              | GRAYBURG     | 1953               |
|            |      |        |                              | SAN ANDRES   | 2250               |

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

9/28/2016 PERFORATED 3145-3319' W/ 40 HOLES.  
10/6/2016 SET PLUG @ 3130', PERFORATED 2922-3122.5' W/ 40 HOLES. FRAC W/ 2500GALS 15%  
ACID, 22,915BBLs SW, 39,943# 100 MESH, 490,220# 40/70 WS.  
1/4/2017 RIH w/ 101 jts 2 7/8 J-55, SN @ 3301', 2 1/2 x 2 x 16' pump.

## 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 #364655 Verified by the BLM Well Information System.**  
**For MACK ENERGY CORPORATION, sent to the Roswell**  
**Committed to AFMSS for processing by DAVID GLASS on 01/24/2017 (17DRG0088SE)**

Name (please print) DEANA WEAVERTitle PRODUCTION CLERK

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

Date 01/23/2017

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 \*\***